

COLOR TV SERVICE MANUAL

CHASSIS: CW62B

MODEL: 21FS4RLX

21FS4RLX-ZV

CAUTION

BEFORE SERVICING THE CHASSIS, READ THE SAFETY PRECAUTIONS IN THIS MANUAL.





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SAFETY PRECAUTIONS

IMPORTANT SAFETY NOTICE

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by \triangle in the Schematic Diagram and Replacement Parts List.

It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION, Shock, Fire, or other Hazards.

Do not modify the original design without permission of manufacturer.

General Guidance

An isolation Transformer should always be used during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and it's components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this TV receiver is blown, replace it with the specified.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

Due to high vacuum and large surface area of picture tube, extreme care should be used in handling the Picture Tube. Do not lift the Picture tube by it's Neck.

X-RAY Radiation

Warning:

The source of X-RAY RADIATION in this TV receiver is the High Voltage Section and the Picture Tube.

For continued X-RAY RADIATION protection, the replacement tube must be the same type tube as specified in the Replacement Parts List.

To determine the presence of high voltage, use an accurate high impedance HV meter.

Adjust brightness, color, contrast controls to minimum. Measure the high voltage.

The meter reading should indicate

 23.5 ± 1.5 KV: 14-19 inch, 26 ± 1.5 KV: 19-21 inch,

29.0 ± 1.5KV: 25-29 inch, 30.0 ± 1.5KV: 32 inch

If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.

Before returning the receiver to the customer,

always perform an AC leakage current check on the exposed metallic parts of the cabinet, such as antennas, terminals, etc., to be sure the set is safe to operate without damage of electrical shock

Leakage Current Cold Check(Antenna Cold Check)

With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.

If the exposed metallic part has a return path to the chassis, the measured resistance should be between 1M Ω and 5.2M Ω .

When the exposed metal has no return path to the chassis the reading must be infinite.

An other abnormality exists that must be corrected before the receiver is returned to the customer.

Leakage Current Hot Check (See below Figure)

Plug the AC cord directly into the AC outlet.

Do not use a line Isolation Transformer during this check.

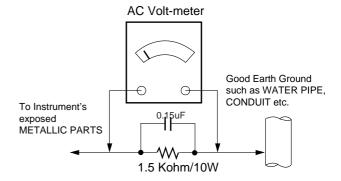
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.

Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.

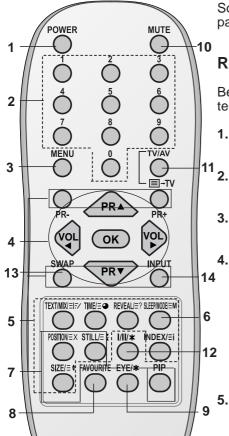
Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each exposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which is corresponds to 0.5mA.

In case any measurement is out of the limits specified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

Leakage Current Hot Check circuit



DESCRIPTION OF CONTROLS



All the functions can be controlled with the remote control handset. Some functions can also be adjusted with the buttons on the front panel of the set.

Remote control handset

Before you use the remote control handset, please install the batteries. See the next page.

1. POWER

switches the set on from standby or off to standby.

2. NUMBER BUTTONS

Switches the set on from standby or directly select a number.

3. MENU

selects a menu.

4. ▲ / ▼ (Programme Up/Down)

selects a programme or a menu item. switches the set on from standby. scans programmes automatically.

√ / ► (Volume Up/Down)

adjusts the volume.

adjusts menu settings.

OK

accepts your selection or displays the current mode.

5. TELETEXT BUTTONS (option)

These buttons are used for teletext.
For further details, see the 'Teletext' section.

6. SLEEP

sets the sleep timer.

7. PIP BUTTONS (option)

PIP

switches the sub picture on or off.

PR +/-

selects a programme for the sub picture.

SWAP

alternates between main and sub picture.

INPUT

selects the input mode for the sub picture.

SIZE

adjusts the sub picture size.

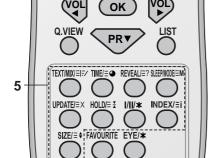
- 4 -

STILL

freezes motion of the sub picture.

POSITION

relocates the sub picture in clockwise direction.



(With TELETEXT / PIP)

PR▲

MENU

(With TELETEXT / Without PIP)

8. FAVOURITE

selects a favorite programme.

9. EYE/* (option)

switches the eye function on or off.

10. MUTE

switches the sound on or off.

11. TV/AV

selects TV or AV mode. switches the set on from standby. exits the Teletext mode(option).

12. I/II/*

selects the language during dual language broadcast. selects the sound output (option).

13. Q.VIEW (or SWAP)

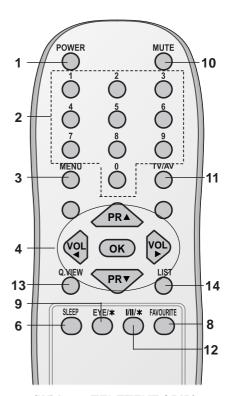
returns to the previously viewed programme.

14. LIST (or INPUT)

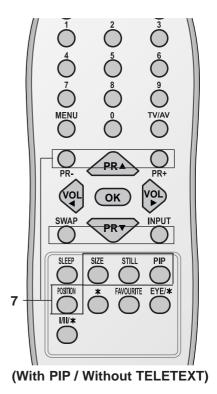
displays the programme table.

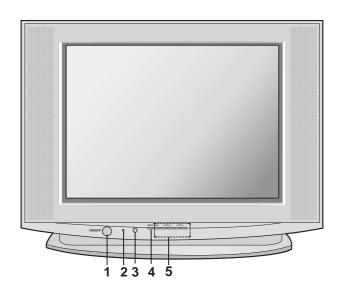
* : No function

COLOURED BUTTONS : These buttons are used for teletext (only TELETEXT models) or programme edit.

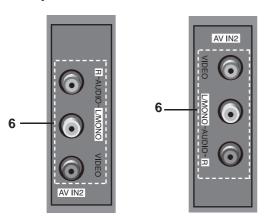


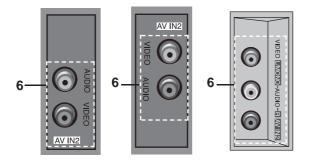
(Without TELETEXT / PIP)





Side panel





1. MAIN POWER (ON/OFF)

switches the set on or off.

2. POWER/STANDBY INDICATOR

illuminates brightly when the set is in standby mode.

dims when the set is switched on.

3. REMOTE CONTROL SENSOR

Note: Only use the supplied remote control handset. (When you use others, they wont be able to function.)

4. MENU (option)

selects a menu.

5. OK (option)

accepts your selection or displays the current mode.

◀ / ► (Volume Up/Down) (option)

adjusts the volume.

adjusts menu settings.

▲ / ▼ (Programme Up/Down) (option)

selects a programme or a menu item. switches the set on from standby.

6. AUDIO (or AUDIO-L/R)/VIDEO IN SOCKETS (AV IN2) (option)

Connect the audio/video out sockets of external equipment to these sockets.

7. EYE (option)

adjusts picture according to the surrounding conditions.

Note: Shown is a simpli ed representation of front or side panel. What is shown here may be somewhat different from your set or can not be supplied on your area.

SPECIFICATIONS

Note: Specification and others are subject to change without notice for improvement.

Scope

This specification can be applied to all the television related to CW62B Chassis.

Test and Inspection Method

1) performance: Follow the Standard of LG TV test

2) Standards of Etc. requirement

- Safety: IEC60065

- EMC: EN55020,EN55013

Test Condition

1) Temperature : $20 \pm 5^{\circ}C(CST : 40 \pm 5^{\circ}C)$

2) Relative Humidity: $65 \pm 10\%$

3) Power voltage : AC110-240V~, 50/60Hz(Middle East/Africa) AC 230V~50/60Hz (EU/CIS)

4) Follow each drawing or spec for spec and performance of parts, based upon P/N of B.O.M

Warm up TV set for more than 20min. before the measurement.

General Specification

| No | Item | Specification | Remark |
|----|-----------------------|---|---------------------|
| 1 | Receiving System | PAL,SECAM BG | EU/ Non EU |
| | | PAL/SECAM DK | |
| | | PAL-I/I | |
| | | NTSC M | |
| | | NTSC 4.43(AV) | |
| | | SECAM-L/L' | OPTION |
| | | NTSC M/ PAL M/N | |
| 2 | Available Channel | VHF : E2 ~ E12 | Non EU/ EU |
| | | UHF : E21 ~ E69 | |
| | | CATV : S1 ~ S20 | |
| | | HYPER : S21 ~ S41 | |
| | | VHF : 02 ~ 13 | NTSC-M |
| | | UHF : 14 ~ 69 | |
| | | CATV: 02 ~ 71 | |
| 3 | Input Voltage | AC 110-240V, 50/60Hz | Non EU |
| | | AC 230V, 50/60Hz | EU |
| 4 | Market | EU,CIS, China, Asia, Africa,Middle East | |
| 5 | Screen Size | Flat 21" | |
| 6 | Tuning System | FVS 100Program | PAL 200 PR(W/O TXT) |
| 7 | Operating Environment | 1) Temp : 0 ~ 45 deg | |
| | | 2) Humidity : below 85% | |
| 8 | Storage Environment | 1) Temp : -20 ~ 60 deg | |
| | | 2) Humidity : below 85% | |

ADJUSTMENT INSTRUCTIONS

1. Application Object

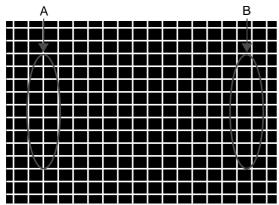
These instructions are applied to all of the color TV, CW62B.

2. Notes

- (1) Because this is not a hot chassis, it is not necessary to use an isolation transformer. However, the use of isolation transformer will help protect test instrument.
- (2) Adjustment must be done in the correct order. But the adjustment can be changed by consideration of mass production.
- (3) The adjustment must be performed in the circumstance of 25±5°C of temperature and 65±10% of relative humidity if there is no specific designation.
- (4) The input AC voltage of the receiver must keep rating voltage in adjusting.
- (5) The receiver must be operated for about 20 minutes prior to the adjustment.
- (6) Signal: Received, the standard color signal (65dB±1dB uV) LG standard signal means the digital pattern (PAL_EU 05CH,NTSC_US 13CH).

3. Focus adjustment

- (1) Receive the Cross-Hatch Pattern(Fig 1).
- (2) Set the picture condition on "DYNAMIC(CLEAR)" mode.
- (3) Adjust the Focus volume of FBT,made the focus of the 1/4 part vertical line is best.

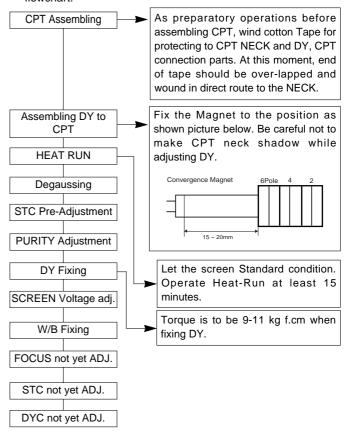


<Fig. 1> Cross-Hatch Pattern (NTSC: US 09CH, PAL: E-7CH)

4. Purity & Convergence adjustment

Adjustment should be operated when using the CPT(without ITC from CPT manufacturing place)

This adjustment must be done in the order of the following flowchart.



4.1. Color purity adjustment

- (1) It makes CPT or CABINET enough to demagnetization.
- (2) Receive the signal of red raster.
- (3) Unfasten DY and push DY to FUNNEL direction.
- (4) Make R-Land be centered as cross Purity Magnet. That time, 4 & 6 pole magnet should keep free gauss status.
- (5) Make uniform RED Raster as moving DY, Check there is purity problem or not on R/G/B, white Raster. Then fix screw of DY.
 - (At this time, be careful about inclination and DY should be fixed keeping horizontality.)
- (6) Check the TV set in direction of EAST, WEST, SOUTH, NORTH. Adjust with supporing MAGNET when adjustment is not operated.

4.2. Convergence adjustment

These adjustments should be operaed at the best condition of focus after finished purity adjustment.

- (1) Receive the signal of cross hatch that BACK RASTER is black.
- (2) Adjust brightness so that there are 9 ~12 dots.

- (3) Widen two tabs of 4pole Magnet with equal angles and accord red,blue vertical lines at the center of screen.
- (4) With keeping angle of "c.clause",rotate tab and accord red/blue,green vertical lines at the center of screen.
- (5) Widen two tabs of 6pole Magnet with equal angles and accord red,bllue vertical lines at the center of screen.
- (6) With keeping angle of "e.clause", repeat the adjustment from c to e keeping in mind the movement of red, blue, green when the horizontal lines are twisted.
- (7) Move the DY up,down,left,right and make the convergence to be optimal condition and stick rubber wedge to CPT so that the DY not to move.

5. Screen voltage adjustment

SCREEN manual adjust method(Used the remote controller)

- RF Mode,input the PAL or SECAM(NTSC)singal,every channel is OK.
- (2) First LINE SVC MODE(IN-START KEY) and push the ADJ KEY change to the SCREEN adjustment MODE.
- (3) Adjust the SCREEN VOL of the FBT, then TV picture will be have a horizontal line, manual adjust the FBT SCREEN VOL, when the horizontal line just disappear is OK (Press the TV/AV button to exit SVC mode)

6. White balance adjustment

- (1) Receive 100% white pattern.
- (2) From the initial data,adjust BLO-R(R CUT),BLO-G(G CUT) keep X,Y coordinate settle for the below list,adjust the LOW LIGHT(4.5FL).
- (3) From the initial data:BG(B-DRIVE) is 32,adjust RG(R-DRIVE),GG(G-DRIVE) keep X,Y coordinate settle for the below list,adjust the HIGH LIGHT(35FL).
- *HIGH LIGHT,LOW LIGHT adjust reiterative.
- *W/B adjust initial data maybe difference by different model, so please refer to the model adjust TABLE.

<Table 1> White Balance Coordinate(By market)

| | | · · |
|--------|------|-------|
| Item | EU | N-EU |
| X | 288 | 268 |
| Υ | 295 | 273 |
| Chroma | 9000 | 13000 |

<Table 2> White Balance Initial Data

| | Menu | Range | DA | ATA | |
|------------|--------------|--------|-----|------|--|
| | Mena | Range | PAL | NTSC | |
| LOW LIGHT | BLO-R(R CUT) | 0 ~ 63 | 32 | 32 | |
| | BLO-G(G CUT) | 0 ~ 63 | 32 | 32 | |
| | BLO-B(B CUT) | 0 ~ 63 | 32 | 32 | |
| HIGH LIGHT | RG(R DRIVE) | 0 ~ 63 | 32 | 32 | |
| | GG(G DRIVE) | 0 ~ 63 | 32 | 32 | |
| | BG (B DRIVE) | 0 ~ 63 | 32 | 32 | |

<Table 3> White Balance Initial Data

1. IC PARAMETER

| | Name | Maker | Algorithm | | | |
|--------|------|-------|-----------|---|---|---|
| VCD IC | | | | | | |
| EP_ROM | | | 0 | 0 | 0 | 0 |

2. White balance IIC Parameter(Address)

| | Program | Win31_wb | TWB | | Win31_wb | TWB | Speed | Delay |
|---|-----------|----------|-----|--------------|----------|-----|-------|-------|
| I | Vcd Slave | | 8A | Eeprom_Slave | | A0 | 1 | 30 |

| | B(R)_Amp | | B(R)_Cut | | G_Amp | | G_Cut | t |
|-----------|----------|-----|----------|-----|----------|-----|----------|-----|
| Program | Win31_wb | TWB | Win31_wb | TWB | Win31_wb | TWB | Win31_wb | TWB |
| Sub Add | | 20 | | 17 | | 21 | | 18 |
| Start Bit | | 5 | | 5 | | 5 | | 5 |
| Stop Bit | | 0 | | 0 | | 0 | | 0 |
| Offset | | 0 | | 0 | | 0 | | 0 |
| Polarity | | 1 | | 1 | | 0 | | 0 |
| EP_Rom_S | | 36 | | 33 | | 37 | | 34 |

| Speed/ Plus | 2 | 2 | 2 | 2 |
|-------------|---|---|---|---|

7. Deflection setting Data Adjustment

7.1 Adjustment preparation

- (1) TV set to receive an Digital pattern(PAL:E5ch.,NTSC: US-12).
- (2) Deflection data setting used remote.
- (3) press the LINE SVC MODE(IN-START KEY) into SERVICE MENU, Choice SERVICE2 to adjustment mode.
- (4) Press CH+,CH- KEY chooice adjust item.
- (5) Press VOL+, VOL KEY increase or decrease DATA.

7.2 Adjustment

- First, adjust deflection at 50Hz, of PAL signal. then, adjust deflection at 60Hz, of NTSC signal.
- (2) Korea Model only used the N60Hz,adjustment . Adjust vertical inclination of screen.
- (3) Central or South America Model first N60Hz adjustment and then N50(PAL-N) adjustment.
- (4) when finish the adjustment and press"ENTER" KEY,save data and exit adjustment Mode.
- *Deflection adjustment small item

(1) V SLOPE

The cutting part(below) of picture transfer to Blanking. Adjust the geometric vertical center of the CPT is in accord lower blanking.

(2) VS (Vertical Shift)

Adjust so that the horizontal center line of a digital circle pattern is in accord with geometric horizontal center of the CPT.

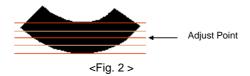
(3) VL (Vertical Linearity)

Adjust so that the boundary line between upper and lower half is in accord with geometric horizontal center of the CPT(PAL: E5ch., NTSC: US-13.).

(4) VA (Vertical Amplitude)

Adjust so that the circle of a digital circle pattern may be located within the effective screen of the CPT.

* NTSC signal : Adjust NTSC 13CH circle as an inscribed circle of vertical outer boundary of the effective screen of the CPT.

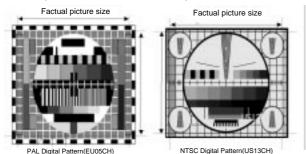


(5) HS (Horizontal Shift)

Adjust so that the vertical center line of a digital circle pattern is in accord with geometric vertical center of the CPT.

(6) EW (Horizontal Width)

Adjust to that a digital circle pattern looks like exact circle.(PAL:0~25%,NTSC: 2.5~3.0)



<Fig. 3> Cross-Hatch Pattern

(7) EP (East-west Parabolar)

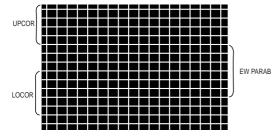
Adjust so that middle portion of the outermost left and right vertical line looks like parallel with vertical lines of the CPT.

(8) ET (East-west Trapezium)

Adjust to make the length of top horizontal line same with it of the bottom horizontal line.

(9) EW UPCOR & EW LOCOR

Adjust until symmetrize upper&lower coner of the screen.



<Fig. 4> Cross-Hatch Pattern(NTSC:US 9CH,PAL:E-7CH)

(10) BOW

Adjust the left and right crooked line on upper and lower side.

(11) H ANGLE

Adjust the vertical slope

(12) S CORRECT (S CORRECTION)

Adjust the receive Patter, keep the lattice's range same(Top/Center/Bottom)

* This decided by DY data, so according to the CPT's Default data(Initial data) Setting.

(13) V SCROLL

Adjust the center vertical line of the geometrical with the CPT center vertical line same.

(14) V ZOOM (fixed): VERTICAL ZOOM.

(15) WBR (fixed): Timing of wide Blanking

(16) WBF (fixed): Timing of wide Blanking

(17) V SYNSLI (fixed): Vertical slicing level

(18) OVRVOLIN (fixed): Over voltage input mode

(19)V GUARD (fixed): Vertical guard mode

8. initial data for deflection

<Table 4> Initial data for deflection by model (SERVICE 2)-PAL

| Item | Description | 21"S | SLIM | 21"F | Adjust | |
|----------|--------------------------|------|------|------|--------|---------|
| iteiii | Description | 50Hz | 60Hz | 50Hz | 60Hz | or not |
| V SLOPE | Vertical slope | 15 | 16 | 24 | 18 | YES |
| V SHIFT | Vertical shift | 48 | 45 | 48 | 40 | YES |
| V LINEAR | Vertical linearity | 43 | 44 | 43 | 33 | YES |
| V AMPLIT | Vertical amplitude | 29 | 31 | 19 | 44 | YES |
| H-SHIFT | Horizontal shift | 30 | 35 | 34 | 31 | YES |
| EW WIDTH | EW width | 46 | 52 | 46 | 35 | YES |
| EW PARAB | Parabola adj | 25 | 36 | 25 | 24 | YES |
| EW TRAPE | Trapezoid adj | 19 | 23 | 19 | 28 | YES |
| EW UPCOR | Upper corner adj | 35 | 50 | 35 | 44 | YES |
| EW LOCOR | Lower corner adj | 46 | 53 | 46 | 48 | YES |
| H BOW | Bow | 35 | 34 | 35 | 35 | YES |
| H PARALL | Horizontal parallelogram | 26 | 37 | 32 | 28 | YES |
| SCORRECT | S correction | 36 | 35 | 36 | 30 | NO |
| V SCROLL | Vertical scroll | 27 | 21 | 21 | 21 | Adjust |
| | | | | | | if need |
| V ZOOM | Vertical zoom | 25 | 25 | 25 | 25 | NO |
| WBR | Timing of wide Blanking | 2 | 2 | 2 | 2 | NO |
| WBF | Timing of Wide Blanking | 2 | 2 | 2 | 2 | NO |
| V SYNSLI | Vertical slicing level | 0 | 0 | 0 | 0 | NO |
| OVRVOLIN | Over voltage input mode | 0 | 0 | 0 | 0 | NO |
| V GUARD | Vertical guard mode | 1 | 0 | 1 | 1 | NO |

 After PAL50Hz adjustment for Pal mode,NTSC60Hz apply deflection redress data,but you need confirm the adjustment condition in NTSC System again,if it is no good,you need readjust it in NTSC mode.

9. SVC DEFAULT DATA (manage DATA by EEPROM MASTER)

[Table 5] SERVICE 1

| ITEM | DESCRIPTION | CV | V62B |
|-----------|--------------------------------|------|------|
| I I E IVI | DESCRIPTION | N-EU | EU |
| AGC | ACG take over | 25 | 25 |
| RG | Red Gain | 32 | 32 |
| GG | Green Gain | 32 | 32 |
| BG | Blue Gain | 32 | 32 |
| BLO-R | Black level offset Red | 32 | 32 |
| BLO-G | Black level offset Green | 32 | 32 |
| CDL | Cathode Drive Level | 8 | 8 |
| L-DLY PA | Luminance delay time for PAL | 2 | 2 |
| L-DLY SE | Luminance delay time for secam | 13 | 13 |
| RGB-BRI | OSD/TEXT BRIGHTNESS | 27 | 27 |

[Table 6] SERVICE 3

| ITEM | DESCRIPTION | CW | 62B | Remark |
|----------|---------------------------|-----|-----|------------------|
| 11 - 111 | DESCRIPTION | EU | NEU | Kemark |
| OVMADAPT | OVER MODULATION ADAPT | 1 | 1 | |
| OVMTHR | OVER MODULATION | 1 | 1 | |
| | THRESHOLD | | | |
| ADC LEV | ADC LEVEL(-16~15)-ADCLEV | 16 | 16 | |
| DEC LEV | DEC LEVEL(-16~15)-DECLEV | 18 | 18 | FM pre-scaler |
| MONO LEV | MONO LEVEL | 18 | 18 | (stereo L/R) |
| | (-16~-15)MONLEV | | | FM pre-scaler |
| NICAMLEV | NICAM LEVEL(-16~15)-NICEV | 22 | 22 | (Mono) |
| FILTBW | FILTER BANDWIDTH | 0 | 0 | |
| BAMA FC | BAMA FC | 60 | 60 | NICAM pre-scaler |
| AUX3 VOL | AUX3 VOL | 84 | 89 | |
| | (SCART1 RF SOUND OUT) | | | |
| FMWINDOW | FM WINDOW FILTER(FMWS) | 1 | 1 | Scart pre-scaler |
| BOOSTVAL | BOOSTER | 0 | 0 | |
| MAX VOL | MAX VOLUME | 100 | 100 | |
| DCXO VAL | DCXO | 50 | 50 | |
| DCXOA | DCXO | 0 | 0 | |
| TEXT-V | TEXT V POSITION | 40 | 40 | |
| TEXT-H | TEXT H POSITION | 4 | 4 | |

[Table 7] SERVICE 4

| ITEM | Description | N-EU | EU | Refer |
|----------|-------------------------|------|----|----------|
| WS | WHITE STRETCH | 1 | 1 | |
| BKS | BLACK STRETCH | 1 | 1 | |
| BSD | BLACK STRATCH DEPTH | 0 | 0 | |
| DSK | DYNAMIC SKIN CONTROL | 1 | 1 | |
| COR | VIDEO DEPENDENT CORING | 2 | 2 | |
| PF | PEAKING FREQUENCY DELAY | 2 | 0 | |
| RPO | RATION POSITIVE/ | 2 | 2 | |
| | NEGATIVE PEAKS | | | |
| RPA | RATION PRE/AFTER SHOOT | 2 | 2 | |
| PWLDAC | PEAK WHITE LIMITER DAC | 8 | 8 | |
| IFOFF | IF DEMODULATIOR | 37 | 37 | |
| CHSE | CHROMA SENSITIVITY | 1 | 1 | |
| ACL | AUTO COLOR LIMITING | 1 | 1 | |
| CLPDEL50 | Clamping delay 50 | 18 | - | |
| CLPDEL60 | Clamping delay 60 | 18 | - | |
| CLPLEN | Clamping Pulse Length | 3 | - | PIP data |
| CLMPID | Clamping Duration | 3 | - |] |
| PIP H | PIP H position | 10 | - | |

[Table 8] option 1,2,3,4

| | ITEM | Description |
|---------|-----------|--|
| OPTION1 | INCH | Flat/slim/ultra/Conventional |
| | SYSTEM | BG/DK/I/M - no EU, BG/DK/I/L - EU |
| | 200PR | W/O TXT=>200PR,W/TXT=>100PR |
| | TOP | FLOF - other Nation |
| | | TOP - Germany, Swiss, Austria, Italy |
| | ACMS | Off - Australia only/ On - other Area |
| | CH-AU | China & Australia Frequency table |
| | BOOSTER | Booster off/on |
| OPTION2 | SOUND | RF stereo / AV stereo / Mono Dual |
| | PIP | PIP option |
| | RESERVED | Reserved option |
| | VOL CURVE | Eu low curve/ Non EU high Curve |
| | A2 STEREO | Nicam check & FM stereo/ Dual act or not |
| | I/II SAVE | Dual soung setting save or not |
| | HIDEVIAT | Sound high deviation apply |
| OPTION3 | SCART | countermeasure or not SCART option |
| | DVD | DVD option |
| | XWAVE | FM TX option |
| | EYE | EYE option |
| | 4KEY | 4 Key option |
| | TILT | TILT option |
| | DEGAUSS | Degaussing option |
| OPTION4 | OSD LANG | Refer to the next page(table.8) |
| | TXT LANG | Refer to the next page(table.8) |
| OPTION5 | REMOCON | Large type Remocon / Small type Remocon |
| | HOTEL | HOTEL option |
| | TURBOSCH | Turbo search |
| | TURBOP/S | Turbo picture/ sound |
| | BLUEBACK | Blue back option |
| | TEXT | Teletext option |

♦OPTION DATA BOM example

LEVEL PART NO. SPECIFICATION DESCRIPTION

1. 3141VM382A MAIN CHASSIS ASSY [112.68.164.32.8]

<Table 9> OSD & TEXT LANGUAGES

| 1. East EU Area | OSD lang | 0 | ENGLISH |
|-----------------|----------|---|------------|
| | | 1 | East EU |
| | | 2 | Russian |
| | TXT LANG | 0 | EU WEST |
| | | 1 | EU EAST |
| | | 2 | Russian W |
| | | 3 | Russian E |
| | | 4 | UKRAINIAN |
| | | 5 | BYELORUSSI |
| | | 6 | GREEK |
| 2. Arab - Farsi | OSD lang | 0 | English |
| | | 1 | Arabic |
| | | 2 | Farsi |
| | | 3 | Arab all |
| | TXT LANG | 0 | EU West |
| | | 1 | EU East |
| | | 2 | Arabic |
| | | 3 | Farsi |
| 3. ASIA | OSD lang | | |
| | TXT LANG | | |
| 4. West EU | OSD lang | | |
| | TXT LANG | | |

10. IN-STOP Condition

<Table 10>

| No. | ITEM | Condition | Mark |
|-----|----------------|-----------|--------|
| 1 | Power | OFF | |
| 2 | Input | TV | |
| 3 | MEMORY CHANNEL | CH.MEMORY | |
| 4 | SOUND | 30STEPS | |
| 5 | MUTE | OFF | |
| 6 | PSM | DYNAMIC | |
| 7 | XD | ON | |
| 8 | SSM | FLAT | |
| 9 | TURBO SOUND | FLAT | |
| 10 | AVL | OFF | |
| 11 | BALANCE | 0 | |
| 12 | ON/OFF TIME | OFF | |
| 13 | AUTO SLEEP | OFF | |
| 14 | CHILD LOCK | OFF | |
| 15 | DEGAUSS | OFF | |
| 16 | EYE | OFF | OPTION |
| 17 | TILT | 0 | OPTION |
| 18 | BLUE BACK | OFF | OPTION |

<Tabel 11> PSM MODE DATA SETTING (PAL) Picture mode DATA SETTING

| PSM | Dynamic | Standard | Mild | Game |
|-----------|---------|----------|------|------|
| CONTRAST | 100 | 90 | 60 | 50 |
| BRIGHT | 60 | 55 | 55 | 55 |
| COLOR | 60 | 55 | 55 | 60 |
| SHARPNESS | 60 | 60 | 50 | 50 |

<Table 12> APC MODE DATA SETTING (NTSC) Picture mode DATA SETTING

| PSM | Clear | Optimum | Soft |
|-----------|-------|---------|------|
| CONTRAST | 100 | 70 | 55 |
| BRIGHT | 55 | 45 | 45 |
| COLOR | 50 | 45 | 40 |
| SHARPNESS | 50 | 40 | 30 |

11. OPTION Adjustment (PAL)

- OPTION Adjustment need by Model name, used the remote controller press the IN-START KEY and start adjust. Choice OPTION 1,2,3,4,5 adjust one by one.
- 2) OPTION1 ???(0~255), OPTION2 ???(0~255), OPTION3 ???(0~250), OPTION4 ???(0~337), OPTION5 ???(0~252)

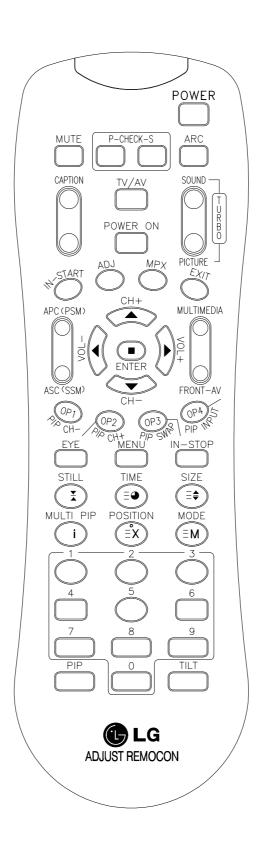
12. SOUND PRE-SCALER

This SVC data settin by every buyer's spec., so can't change it.

*Audio Out Level SPEC

◆ PAL B/G, D/K,I : 500m Vrms at 54% modulation ratio.
 ◆ SECAM B/G, D/K, L/L : 500m Vrms at 54% modulation ratio.
 ◆ NTSC-M : 500m Vrms at 100% modulation ratio.

SVC REMOCON

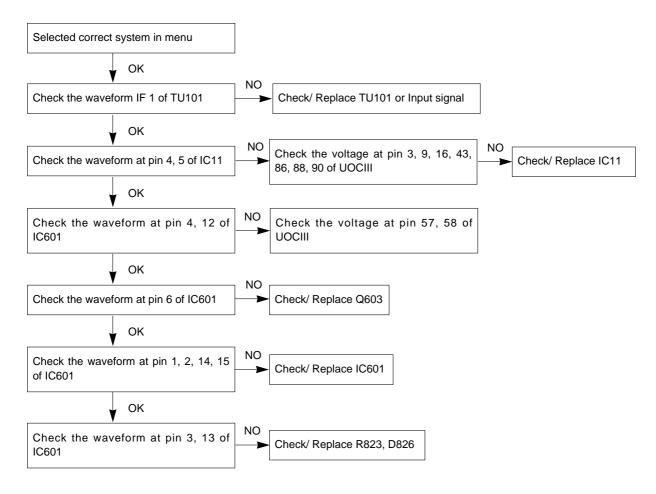


- 13 -

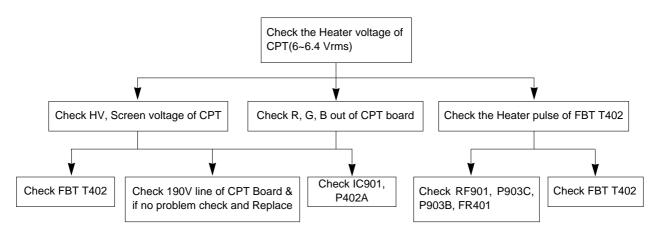
TROUBLE SHOOTING

1. RF-STEREO MODEL

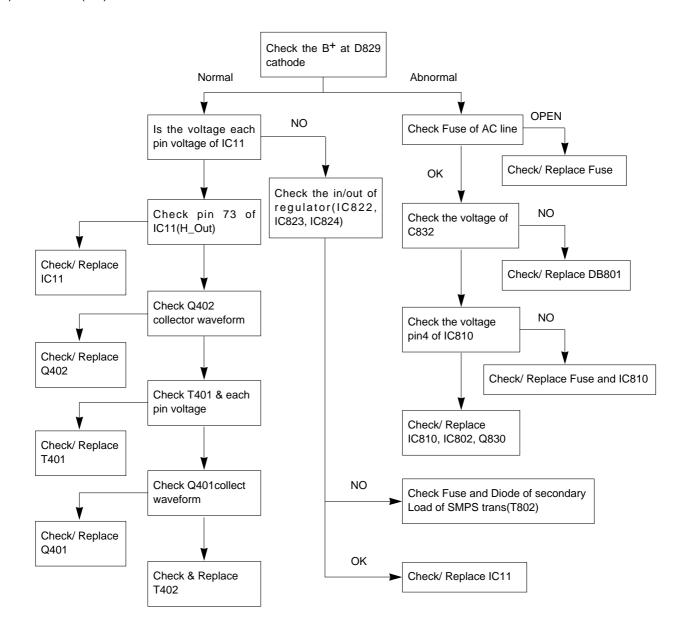
1) PICTURE OK / NO SOUND



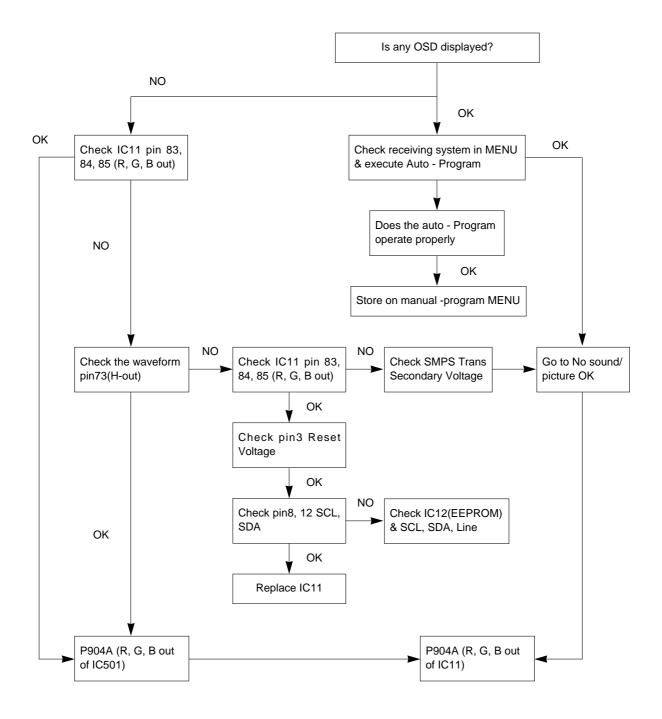
2) No Raster / Sound OK(1/2)



3) No Raster (2/2)

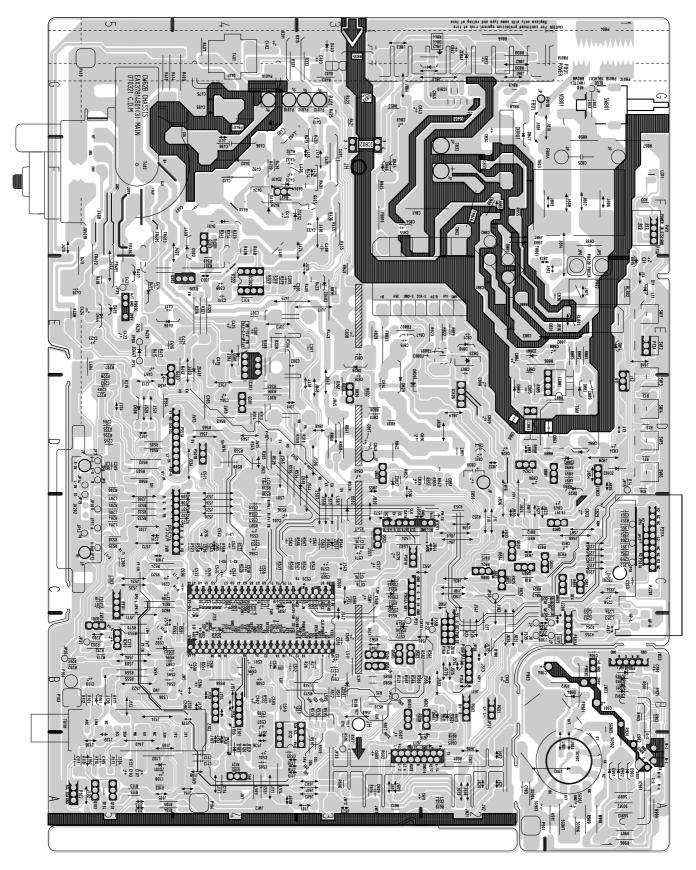


4) No Picture/ No Sound

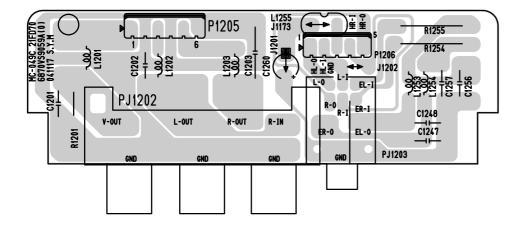


PRINTED CIRCUIT BOARD

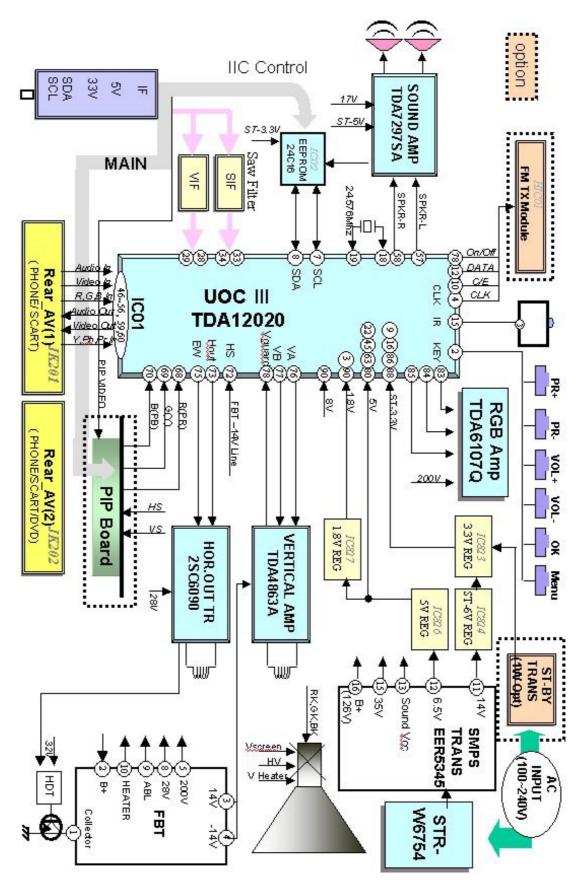
MAIN



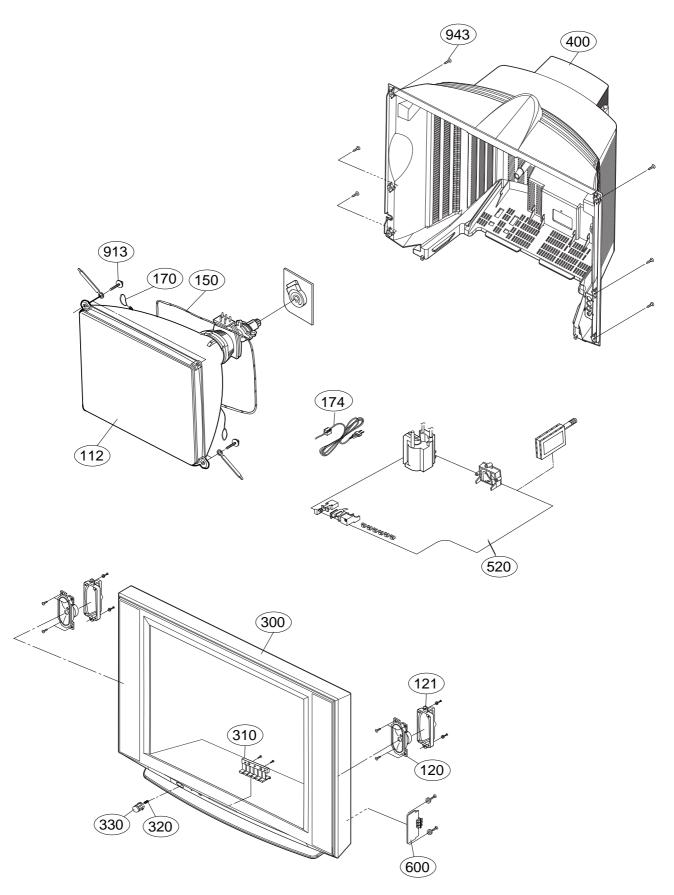
SIDE A/V



BLOCK DIAGRAM



EXPLODED VIEW



EXPLODED VIEW PARTS LIST

The components identified by mark \triangle is critical for safety. Replace only with part number specified.

| LOCA | A. No. | PART No. | DESCRIPTIONS |
|-------------|--------|----------------------|--|
| <u>^</u> 11 | 12 | 6335921002A/B | CPT,ITC A51ERS420X 21INCH FLAT 0.4_0.0G |
| | | EAK33681103 | CPT,ITC A51ERS420X01MLYL 21INCH SUPER-SLIM |
| 12 | 20 | EAB30823901 | Speaker Fullrange JF 24 FERRITE 7W 8OHM 82DB 170HZ |
| | | 6400VA0001G | Speaker,Full Range YDP511-52LG Y20 10W 8OHM 82DB 180HZ |
| 12 | 21 | 4810900054A | Bracket MOLD PP SPEAKER 21FC1 MC049B PP |
| <u>^</u> 15 | 50 | 6140VC2007N | 6140VC2007N 11OHM AL 44T 0.6mM SQUARE |
| <u>^</u> 17 | 70 | 170-A01D | Drawing, Assembly CPT EARTH UL1015 AWG22 21INCH NORM |
| | | 6858V21001A | Drawing, Assembly EARTH SPRING 21INCH 64T RT-21F |
| <u>^</u> 17 | 74 | 6410VEH001E | Power Cord YP-204 ZH.B 2.41M 300MM 250V 2.5A |
| 30 | 00 | 30919D0039B/D/N | Cover Assembly 21FS4RG MC059C 21 SY LOCAL DVD |
| | | ACQ31198803 | Cover Assembly 21FS4 059C 20"/21" LGEMA TOOL |
| 31 | 10 | 5020900071A | Button CONTROL 21FS4 ABS, HF-380 6KEY |
| | | MBG32951302 | Button Mold ABS HF380 CONTROL 21FS4 |
| 32 | 20 | 320-062H | Spring CUTTING STSC304 COIL |
| 33 | 30 | 5020900070A | Button POWER 21FS4 ABS, HF-380 NON |
| | | MBG32952502 | Button MOLD ABS HF380 POWER 21FS4 ABS |
| 40 | 00 | 3809900182B/F/H/Q | Cover Assembly 21FS4RLX-ZV CW62B 21" SY -C/SKD |
| | | ACQ31198903 | Cover Assembly 21FS4 MC059C 20"/21" MA TOOL |
| 52 | 20 | EBR33932901/10 | PCB Assembly, MAIN M.I CW62B 21FS4RLX-ZV KDRLLEY |
| | | EBR33392711/12/15 | PCB Assembly, MAIN M.I CW62B 21FS4RLX-ZV QUPLLCP |
| | | EBR33392723/25/26/38 | PCB Assembly, MAIN M.I CW62B 21FS4RLX-ZV |
| | | EBR33392744/46/60 | PCB Assembly, MAIN M.I CW62B 21FS4RLX-ZV.UDLLCCK |
| 60 | 00 | EBR33412201 | PCB Assembly, Sub SUB M.I CW62B 21FS2/FS4 SIDE AV |
| | | EBR33968401 | PCB Assembly, Sub SUB M.I CW62B 21FS2/FS4 SIDE AV |
| 91 | 13 | FAB30021402 | Screw, Assembly FAB30021402 TAPTITE P TYPE D5.0 |
| 94 | 43 | FAB30006309 | Screw, Taptite 1SZZ9PB012A TH +P 4MM 16MM MSWR10 |

REPLACEMENT PARTS LIST

CC, CX, CK, CN : Ceramic CQ : Polyester CE : Electrolytic

RD : Carbon Film RS : Metal Oxide Film RN : Metal Film RF : Fusible

For Capacitor & Resistors, the characters at 2nd and 3rd digit in the P/No. means as follows;

| LOCA. NO | PART NO | DESCRIPTION |
|----------|-------------|--------------------------------------|
| IC | | |
| IC12 | 0IAL241610B | AT24C16A-10PU-2.7 16KBIT 2KX8BIT 2.7 |
| IC301 | 0IPMGPH002A | TDA4863A 9.0VTO30.0V - 3.2W - DBS ST |
| IC302 | 0IKE455800E | KIA4558 36V_+-18V 6mV 500MW 30uV |
| IC601 | 0ILNR00189A | TDA7297SA 6TO18V 0 0.10% 15W 30W 56D |
| IC802 | 0ILI817000G | LTV-817M-VB 6V 35V 35V 50MA 100NA 60 |
| IC810 | 0IPMGSK016B | STR-W6754 16.3TO19.9V 8.8TO10.6V SWI |
| IC823 | 0IMCRAU004A | S1117-33PIC 4.8TO12V 3.3V 2W TO220 S |
| IC824 | 0IMCRKE020A | KIA78S06P 8.1TO21V 6V 600MW TO92 ST |
| IC826 | 0IMCRKE018A | KIA78R05API 6TO12V 5V 1.5W TO220IS |
| IC901 | 0IPRP00747A | TDA6107AJF 180TO210V 6mA 5.5M SIP ST |
| Q602 | 0IFA754207A | KA75420ZTA(KA7542ZTA) 0.3TO15V 4.2V |
| Q830 | 0IMCRFA007A | KA431AZ 2.47TO2.52V 36V 770MW TO92 |
| SW | SAA30112702 | 3.00 5276 EUROPE FLASH ROM CW62B EAS |
| | Т | RANSISTOR |
| Q105 | 0TR102009AB | KRC102M(KRC1202) NPN 30V - 50V 100MA |
| Q11 | 0TR198009BA | 2SA1980Y PNP -5V -50V -50V -0.15A |
| Q201 | 0TR198009BA | 2SA1980Y PNP -5V -50V -50V -0.15A |
| Q301 | 0TR198009BA | 2SA1980Y PNP -5V -50V -50V -0.15A |
| Q302 | 0TR205900AB | KTD2059-Y NPN 5V 100V 100V 5A 100UA |
| Q303 | 0TR127409AB | KTA1274-Y PNP -5V -80V -80V -0.4A |
| Q401 | 0TRSA10005A | 2SC6090LS NPN 5V 1.5KV 700V 10A 10UA |
| Q402 | 0TR233109AA | KSC2331Y NPN 8V 80V 60V 700MA 100NA |
| Q404 | 0TR322809AB | KTC3228-Y(KTC2383) NPN 6V 160V 160V |
| Q502 | 0TR198009BA | 2SA1980Y PNP -5V -50V -50V -0.15A |
| Q503 | 0TR319809AA | KTC3198(KTC1815) NPN 5V 60V 50V 150M |
| Q504 | 0TR319809AA | KTC3198(KTC1815) NPN 5V 60V 50V 150M |
| Q505 | 0TR127009AA | KTA1270-Y(KTA562TM) PNP -5V -35V -30 |
| Q506 | 0TR127009AA | KTA1270-Y(KTA562TM) PNP -5V -35V -30 |
| Q603 | 0TR534309AA | 2SC5343Y NPN 5V 60V 50V 150MA 100NA |
| Q803 | 0TR102009AB | KRC102M(KRC1202) NPN 30V - 50V 100MA |
| Q804 | 0TR534309AA | 2SC5343Y NPN 5V 60V 50V 150MA 100NA |
| Q805 | 0TR102009AB | KRC102M(KRC1202) NPN 30V - 50V 100MA |
| Q806 | 0TR127409AB | KTA1274-Y PNP -5V -80V -80V -0.4A -0 |
| Q809 | 0TR319809AA | KTC3198(KTC1815) NPN 5V 60V 50V 150M |
| Q810 | 0TR319809AA | KTC3198(KTC1815) NPN 5V 60V 50V 150M |
| Q811 | 0TR534309AA | 2SC5343Y NPN 5V 60V 50V 150MA 100NA |
| Q840 | 0TR421009CA | BF421 PNP -5V -0.3KV -0.3KV -0.05A - |
| | | DIODE |
| D101 | 0DS141489AB | 1N4148 1V 100V 150MA 500MA 4NSEC 500 |
| D102 | 0DSVH00019A | BA282 1V 35V 100MA 350A 1SEC 350W DO |
| D11 | 0DS141489AB | 1N4148 1V 100V 150MA 500MA 4NSEC 500 |
| D301 | 0DRDC00014M | 1N4005 600V 1.1V 5UA 30A 1.5USEC DO4 |
| D302 | 0DS141489AB | 1N4148 1V 100V 150MA 500MA 4NSEC 500 |
| D401 | 0DRDC00014G | RU4AM 600V 1.3V 10UA 70A 100NSEC DO2 |
| | | |

| LOCA. NO | PART NO | DESCRIPTION |
|----------|---------------|--------------------------------------|
| D403 | 0DS141489AB | 1N4148 1V 100V 150MA 500MA 4NSEC 500 |
| D405 | 0DRDC00014D | RGP15J 600V 1300MV 5UA 50A 250NSEC D |
| D406 | 0DRDC00014D | RGP15J 600V 1300MV 5UA 50A 250NSEC D |
| D407 | 0DR060009AA | TVR06J 600V 1300MV 5UA 25A 250NSEC D |
| D414 | 0DRDC00014D | RGP15J 600V 1300MV 5UA 50A 250NSEC D |
| D444 | 0DR060009AA | TVR06J 600V 1300MV 5UA 25A 250NSEC D |
| D606 | 0DS141489AB | 1N4148 1V 100V 150MA 500MA 4NSEC 500 |
| D815 | 0DS141489AB | 1N4148 1V 100V 150MA 500MA 4NSEC 500 |
| D818 | 0DR060009AA | TVR06J 600V 1300MV 5UA 25A 250NSEC D |
| D820 | 0DR060009AA | TVR06J 600V 1300MV 5UA 25A 250NSEC D |
| D823 | EAH30560501 | SFAF504G 200V 975MV 10UA 125A 35NSEC |
| D826 | 0DRTW00141A | SFAF504G 200V 975MV 10UA 125A 35NSEC |
| D828 | 0DR060009AA | TVR06J 600V 1300MV 5UA 25A 250NSEC D |
| D829 | 0DRDC00014F | RU3AM 600V 1100MV 10UA 50A 90NSEC DO |
| D844 | 0DRDC00014J | EU1Z 200V 2.5V 10UA 15A 50NSEC DO41 |
| D845 | 0DRDC00014Q | EU1ZS 200V 2.5V 10UA 15A 120NSEC DO4 |
| D846 | 0DRDC00014J | EU1Z 200V 2.5V 10UA 15A 50NSEC DO41 |
| D847 | 0DR060009AA | TVR06J 600V 1300MV 5UA 25A 250NSEC D |
| D901 | 0DR060009AA | TVR06J 600V 1300MV 5UA 25A 250NSEC D |
| D902 | 0DR060009AA | TVR06J 600V 1300MV 5UA 25A 250NSEC D |
| D903 | 0DR060009AA | TVR06J 600V 1300MV 5UA 25A 250NSEC D |
| D904 | 0DRDC00014E | 1N4004A 400V 1100MV 5UA 30A - DO41 T |
| DB801 | 0DRTW00071A | TS4B05G-1021 600V 1V 5UA 120A TS4B S |
| ZD101 | 0DZ330009DG | GDZJ33B 33V 30.32TO31.88V 65OHM 500M |
| ZD102 | 0DZ910009BD | GDZJ9.1B . 9.1V 8.57TO9.01V 25OHM 50 |
| ZD401 | 0DZ510009BF | GDZ5.1B 5.1V 4.94TO5.2V 20OHM 500MW |
| ZD431 | 0DZ470009EF | GDZJ4.7B 4.7V 4.55TO4.8V 90OHM 500MW |
| ZD432 | 0DZ120009BG | GDZJ12B 12V 11.44TO12.03V 30OHM 500M |
| ZD501 | 0DZ510009AK | GDZJ5.1B 5.1V 4.94TO5.2V 80OHM 500MW |
| ZD502 | 0DZ820009BF | GDZJ8.2B 8.2V 7.78TO8.19V 20OHM 500M |
| ZD503 | 0DZ910009BD | GDZJ9.1B . 9.1V 8.57TO9.01V 25OHM 50 |
| ZD504 | 0DZ910009BD | GDZJ9.1B . 9.1V 8.57TO9.01V 25OHM 50 |
| ZD505 | 0DZ910009BD | GDZJ9.1B . 9.1V 8.57TO9.01V 25OHM 50 |
| ZD506 | 0DZ910009BD | GDZJ9.1B . 9.1V 8.57TO9.01V 25OHM 50 |
| ZD507 | 0DZ910009BD | GDZJ9.1B . 9.1V 8.57TO9.01V 25OHM 50 |
| ZD601 | 0DZ820009BF | GDZJ8.2B 8.2V 7.78TO8.19V 20OHM 500M |
| ZD827 | 0DZ750009BE | GDZJ7.5B 7.5V 7.07TO7.45V 20OHM 500M |
| ZD841 | 0DZ620009AH | MTZJ6.2A 6.2V 5.78TO6.09V 30OHM 500M |
| ZD910 | 0DZ510009BF | GDZ5.1B 5.1V 4.94TO5.2V 20OHM 500MW |
| ZD911 | 0DZ510009BF | GDZ5.1B 5.1V 4.94TO5.2V 20OHM 500MW |
| ZD912 | 0DZ510009BF | GDZ5.1B 5.1V 4.94TO5.2V 20OHM 500MW |
| | | CAPACITOR |
| C103 | 0CE475DK618 | EGR475M050T1G1C11G 4.7uF 20% 50V 50M |
| C107 | 0CE227DD618 | EGR227M010T1G1E11G 220uF 20% 10V 255 |
| C108 | 0CE475DK618 | EGR475M050T1G1C11G 4.7uF 20% 50V 50M |
| C109 | 0CE226DK618 | SMS5.0TP50VB22M 22uF 20% 50V 108MA - |
| C111 | 0CN1040K949 | CH UP050 F104Z-B-B Z 100nF -20TO+80% |
| C112 | 0CN1030F679 | RH EP050 Y103M-B-B 10nF 20% 16V X5R |
| J.1.2 | 35.1.3001 070 | <u></u> |

RU4DS 1.8V 1.3KV 1.5A 50A 400NSEC 0W

EAH30754301

D402

CC, CX, CK, CN : Ceramic CQ : Polyester CE : Electrolytic

| LOCA. NO | PART NO | DESCRIPTION |
|----------|-------------|--------------------------------------|
| C113 | 0CN1030F679 | RH EP050 Y103M-B-B 10nF 20% 16V X5R |
| C114 | 0CN1040K949 | CH UP050 F104Z-B-B Z 100nF -20TO+80% |
| C1202 | 0CN1010K519 | RH UP050 B101K-B-B 100pF 10% 50V Y5P |
| C1203 | 0CN1010K519 | RH UP050 B101K-B-B 100pF 10% 50V Y5P |
| C17 | 0CN1030F679 | RH EP050 Y103M-B-B 10nF 20% 16V X5R |
| C201 | 0CE226DF618 | EGR226M016T1G1C11G 22uF 20% 16V 75MA |
| C202 | 0CN4710K519 | RH UP050 B471K-B-B 470pF 10% 50V Y5P |
| C203 | 0CN1010K519 | RH UP050 B101K-B-B 100pF 10% 50V Y5P |
| C204 | 0CN4710K519 | RH UP050 B471K-B-B 470pF 10% 50V Y5P |
| C205 | 0CN1010K519 | RH UP050 B101K-B-B 100pF 10% 50V Y5P |
| C206 | 0CN1010K519 | RH UP050 B101K-B-B 100pF 10% 50V Y5P |
| C207 | 0CN4710K519 | RH UP050 B471K-B-B 470pF 10% 50V Y5P |
| C208 | 0CE226DF618 | EGR226M016T1G1C11G 22uF 20% 16V 75MA |
| C209 | 0CN4710K519 | RH UP050 B471K-B-B 470pF 10% 50V Y5P |
| C21 | 0CE107DD618 | SMS5.0TP10VB100M 100uF 20% 10V 157MA |
| C210 | 0CN4710K519 | RH UP050 B471K-B-B 470pF 10% 50V Y5P |
| C270 | 0CE227DD618 | EGR227M010T1G1E11G 220uF 20% 10V 255 |
| C303 | 0CQ1041N409 | 310M 2A 104 J 100nF 5% 100V PE -40TO |
| C304 | 0CE107DK618 | EGR107M050T6G1G11G 100uF 20% 50V 270 |
| C306 | 0CQ3331N509 | PEI333K2AT 33nF 10% 100V PE -40TO+85 |
| C308 | 0CE476DK618 | SMS5.0TP50VB47M 47uF 20% 50V 181MA |
| C309 | 0CN4710K519 | RH UP050 B471K-B-B 470pF 10% 50V Y5P |
| C310 | 0CQ1031N509 | PEI103K2AT 10nF 10% 100V PE -40TO+85 |
| C402 | 0CE475DK618 | EGR475M050T1G1C11G 4.7uF 20% 50V 50M |
| C403 | 0CQ1521N509 | PEI152K2AT 1.5nF 10% 100V PE -40TO+8 |
| C404 | 0CE106DF618 | SMS5. 0TP16VB10M 10uF 20% 16V 72MA - |
| C405 | 181-091Y | LRYM28681KXA 680pF 10% 2000V Y5R -25 |
| C407 | 181-009S | PPN273K2DH 27nF 10% 200V PP -40TO+85 |
| C408 | 0CE685BK652 | KM5.0MC50VBBP-S6.8M 6.8uF 20% 50V 44 |
| C411 | 0CE105BR618 | ESM105M250T1G5E11G 1uF 20% 250V 15MA |
| C413 | 0CK2220W515 | DCM222K34Y5PL6FJ5A 2.2nF 10% 500V Y5 |
| C414 | 181-091C | DEHR33A471KN2A 470pF 10% 1000V Y5R - |
| C415 | 0CE108DH618 | SMS5.0TP25VB1000M 1000uF 20% 25V 1.3 |
| C416 | 181-009R | PPN223K2DH 22nF 10% 200V PP -40TO+85 |
| C417 | 0CK2710W515 | DCM271K20Y5PL6FJ5A 270pF 10% 500V Y5 |
| C419 | 0CE108DH618 | SMS5.0TP25VB1000M 1000uF 20% 25V 1.3 |
| C420 | 181-009R | PPN223K2DH 22nF 10% 200V PP -40TO+85 |
| C421 | 0CK2710W515 | DCM271K20Y5PL6FJ5A 270pF 10% 500V Y5 |
| C422 | 0CE475DR618 | EGR475M250T1G1G11G 4.7uF 20% 250V 70 |
| C423 | 0CE107DJ618 | SMS5.0TP35VB100M 100uF 20% 35V 291MA |
| C430 | 0CE106BK618 | ESM106M050T1G5C11G 10uF 20% 50V 55MA |
| C432 | 181-091Q | LRYM5471KHA 470pF 10% 1000V Y5R -25T |
| C433 | 0CQ1021N509 | PEI102K2AT 1nF 10% 100V PE -40TO+85C |
| C491 | 0CF1241Y460 | 0.12UF D 630V 5% M/PP 85C BULK |
| C492 | 0CF2741U460 | 0.27UF D 400V 5% M/PP 85C BULK |
| C496 | 181-834B | BUP16X183JHES01 18nF 5% 1.6KV MPP -2 |
| C501 | 0CF2241L438 | PCMT 365 76224 220nF 5% 63V MPE -40T |
| C502 | 0CE225DK618 | EGR225M050T1G1C11G 2.2uF 20% 50V 20M |
| C503 | 0CQ6821N509 | PEI682K2AT 6.8nF 10% 100V PE -40TO+8 |
| C504 | 0CE107DD618 | SMS5.0TP10VB100M 100uF 20% 10V 157MA |
| C505 | 0CN1040K949 | CH UP050 F104Z-B-B Z 100nF -20TO+80% |
| C506 | 0CQ1031N509 | PEI103K2AT 10nF 10% 100V PE -40TO+85 |

| LOCA. NO PART NO DESCRIPTION | |
|---|------|
| C509 0CE106DF618 SMS5. 0TP16VB10M 10uF 20% 16V 72M | Α |
| C510 0CN1040K949 CH UP050 F104Z-B-B Z 100nF -20TO+80 | % |
| C512 0CN1040K949 CH UP050 F104Z-B-B Z 100nF -20TO+80 | % |
| C513 0CE337DD618 SMS5.0TP10VB330M 330uF 20% 10V 386 | 6MA |
| C516 0CE226DD618 EGR226M010T1G1C11G 22uF 20% 10V 7 | 75MA |
| C519 181-007F ECQ-V1H224JL3(TR) 220nF 5% 50V MPE | . |
| C520 OCN1040K949 CH UP050 F104Z-B-B Z 100nF -20TO+80 | % |
| C530 OCN2220F569 RH EP050 X222K-B-B 2.2nF 10% 16V X78 | R |
| C531 0CN2230H949 RH TP050 F223Z-B-B 22nF -20TO+80% 2 | .5 |
| C532 OCF4741L438 PCMT 365 76474 470nF 5% 63V MPE -40 | т |
| C533 OCN1040K949 CH UP050 F104Z-B-B Z 100nF -20TO+80 | % |
| C535 OCF4741L438 PCMT 365 76474 470nF 5% 63V MPE -40 | т |
| C536 OCN1040K949 CH UP050 F104Z-B-B Z 100nF -20TO+80 | % |
| C538 0CN1030F679 RH EP050 Y103M-B-B 10nF 20% 16V X5F | ٦ |
| C540 OCN1030F679 RH EP050 Y103M-B-B 10nF 20% 16V X5F | ٦ |
| C544 0CF4741L438 PCMT 365 76474 470nF 5% 63V MPE -40 | т |
| C546 0CN1040K949 CH UP050 F104Z-B-B Z 100nF -20TO+80 | % |
| C547 0CF4741L438 PCMT 365 76474 470nF 5% 63V MPE -40 | т |
| C548 0CN2220F569 RH EP050 X222K-B-B 2.2nF 10% 16V X78 | R |
| C551 0CE226DD618 EGR226M010T1G1C11G 22uF 20% 10V 7 | 75MA |
| C553 OCN1040K949 CH UP050 F104Z-B-B Z 100nF -20TO+80 | % |
| C554 0CE107DD618 SMS5.0TP10VB100M 100uF 20% 10V 157 | 7MA |
| C556 0CN1040K949 CH UP050 F104Z-B-B Z 100nF -20TO+80 | % |
| C557 OCN1040K949 CH UP050 F104Z-B-B Z 100nF -20TO+80 | % |
| C558 0CN1040K949 CH UP050 F104Z-B-B Z 100nF -20TO+80 | % |
| C559 0CN1040K949 CH UP050 F104Z-B-B Z 100nF -20TO+80 | % |
| C561 0CQ3931N509 PEI393K2AT 39nF 10% 100V PE -40TO+8 | 35 |
| C562 0CQ3931N509 PEI393K2AT 39nF 10% 100V PE -40TO+8 | 35 |
| C563 0CN1010K519 RH UP050 B101K-B-B 100pF 10% 50V Y5 | SP |
| C564 0CE106DK618 SMS5.0TP50VB10M 10uF 20% 50V 72MA | \-4 |
| C569 OCN1040K949 CH UP050 F104Z-B-B Z 100nF -20TO+80 | % |
| C570 OCE107DF618 EGR107M016T1G1C11G 100uF 20% 16V | 160 |
| C571 0CE336DD618 EGR336M010T1G1C11G 33uF 20% 10V 8 | B5MA |
| C572 OCN4710K519 RH UP050 B471K-B-B 470pF 10% 50V Y5 | SP |
| C576 0CN1040K949 CH UP050 F104Z-B-B Z 100nF -20TO+80 | % |
| C577 0CE106DF618 SMS5. 0TP16VB10M 10uF 20% 16V 72MA | Α |
| C578 0CN1040K949 CH UP050 F104Z-B-B Z 100nF -20TO+80 ⁴ | |
| C579 OCE106DF618 SMS5. 0TP16VB10M 10uF 20% 16V 72M/ | Α |
| C580 0CN1040K949 CH UP050 F104Z-B-B Z 100nF -20TO+80 | |
| C581 0CE107DD618 SMS5.0TP10VB100M 100uF 20% 10V 157 | |
| C584 0CN1040K949 CH UP050 F104Z-B-B Z 100nF -20TO+80 | |
| C585 0CE225DK618 EGR225M050T1G1C11G 2.2uF 20% 50V | |
| C586 0CE225DK618 EGR225M050T1G1C11G 2.2uF 20% 50V | |
| C587 0CN1030F679 RH EP050 Y103M-B-B 10nF 20% 16V X5F | |
| C590 OCE225DK618 EGR225M050T1G1C11G 2.2uF 20% 50V | - |
| C591 0CN1040K949 CH UP050 F104Z-B-B Z 100nF -20TO+80 | |
| C592 0CE107DD618 SMS5.0TP10VB100M 100uF 20% 10V 157 | |
| C595 181-301C NPP100V154J10F 150nF 5% 100V PP -40 | |
| C596 0CN1040K949 CH UP050 F104Z-B-B Z 100nF -20TO+80 | |
| C597 | |
| C599 0CN2230H949 RH TP050 F223Z-B-B 22nF -20TO+80% 2 | |
| C602 OCE108DH618 SMS5.0TP25VB1000M 1000uF 20% 25V 1 | 1.3 |

CC, CX, CK, CN : Ceramic CQ : Polyester CE : Electrolytic RD : Carbon Film RS : Metal Oxide Film RN : Metal Film

LOCA. NO PART NO DESCRIPTION 0CF2241L438 PCMT 365 76224 220nF 5% 63V MPE -40T C603 C604 0CN6810K519 RH UP050 B681K-B-B 680pF 10% 50V Y5P C605 0CN1030F679 RH EP050 Y103M-B-B 10nF 20% 16V X5R C607 0CE476DH618 SMS5.0TP25VB47M 47uF 20% 25V 131MA -C609 0CN6810K519 RH UP050 B681K-B-B 680pF 10% 50V Y5P C611 0CF2241L438 PCMT 365 76224 220nF 5% 63V MPE -40T C807 181-091Q LRYM5471KHA 470pF 10% 1000V Y5R -25T 0CE477DH618 EGR477M025T1G1H15G 470uF 20% 25V 640 C808 0CE228BF618 ESM228M016T1G5K25G 2200uF 20% 16V 97 C809 C812 0CK47101515 DCH471K26Y5PN6FJ5A 470pF 10% 1000V Y C813 0CE476DD618 EGR476M010T1G1C11G 47uF 20% 10V 105M C814 181-091W LRYM27471KX1A 470pF 10% 2000V Y5R -2 C816 0CE227DP61A EGR227M160T1G1M32G 220uF 20% 160V 81 C818 PEI223K2AT 22nF 10% 100V PE -40TO+85 0CQ2231N509 C822 0CE108DD618 SMS5.0TP10VB1000M 1000uF 20% 10V 854 C823 181-120K SDE222M16FS1 2.2nF 20% 4000V Y5U -25 C825 0CQZVBK002C PCX2 335 91592 0.22uF 10% 275V MPP -C826 0CE108DD618 SMS5.0TP10VB1000M 1000uF 20% 10V 854 C829 0CE476DD618 EGR476M010T1G1C11G 47uF 20% 10V 105M C830 0CE228DH61A EGR228M025T1G1L25G 2200uF 20% 25V C832 181-001V LTW227M450S1A5S40G 220uF 20% 450V 0CE337KV6A0 Capacitor, AL, Radial LTW337M450S1A5S45G DCH102K39Y5PP7FJ5A 1nF 10% 2000V Y5P 0CK10202515 C833 C834 0CK10202515 DCH102K39Y5PP7FJ5A 1nF 10% 2000V Y5P 0CQZVBK002A PCX2 335 M9729 0.1uF 20% 275V MPP -4 C835 C836 0CK4710W515 DCM471K20Y5PL6FJ5A 470pF 10% 500V Y5 C838 0CE227BK618 ESM227M050T1G5H17G 220uF 20% 50V 400 C839 0CE106DH618 SMS5.0TP25VB10M 10uF 20% 25V 72MA -4 0CE226BK618 C840 ESM226M050T1G5C11G 22uF 20% 50V 85MA 181-011B MPPS102J3VD 1nF 5% 1.6KV MPP -40TO+8 C841 C842 0CK1520K515 DCT152K22Y5PF6FJ5A 1.5nF 10% 50V Y5P C843 0CE105DK618 EGR105M050T1G1C11G 1uF 20% 50V 10MA C844 0CK1020K515 DCT102K20Y5PF6FJ5A 1nF 10% 50V Y5P -C845 0CK8210K515 DCT821K20Y5PF6FJ5A 820pF 10% 50V Y5P C846 0CE107DD618 SMS5.0TP10VB100M 100uF 20% 10V 157MA C848 0CE107CP618 SHL5.0TP160VB100M 100uF 20% 160V 541 C849 0CE477DD618 EGR477M010T6G1G11G 470uF 20% 10V 425 0CN1020K519 C851 RH UP050 B102K-B-B 1nF 10% 50V Y5P C852 181-007C ECQV1H104JL3 100nF 5% 50V MPE -40TO+ C901 0CE475DR618 EGR475M250T1G1G11G 4.7uF 20% 250V 70 DCH122K39Y5PP7VK7A 1.2nF 10% 2000V Y C903 181-033S C904 0CE475DR618 EGR475M250T1G1G11G 4.7uF 20% 250V 70 C906 0CN1030F679 RH EP050 Y103M-B-B 10nF 20% 16V X5R C908 0CH3104P56C C4532X7R2J104KT 100nF 10% 630V X7R RH UP050 B561K-B-B 560pF 10% 50V Y5P 0CN5610K519 C910 J565 0CN1030F679 RH EP050 Y103M-B-B 10nF 20% 16V X5R **COIL & INDUCTOR** 0LA0121K119 Inductor, Wire Wound, Axial LAL02TB1R2K J549 J578 0LA0102K119 Inductor, Wire Wound, Axial & LAL02TB100K 0LA0102K139 L102 Inductor, Wire Wound, Axial LAL04TB100K

| LOCA. NO | PART NO | DESCRIPTION | |
|----------|-------------|--|--|
| L1203 | 0LA0102K119 | Inductor,Wire Wound,Axial LAL02TB100K | |
| L204 | 0LA0102K119 | Inductor,Wire Wound,Axial LAL02TB100K | |
| L206 | 0LA0102K119 | Inductor,Wire Wound,Axial LAL02TB100K | |
| L207 | 0LA0102K119 | Inductor,Wire Wound,Axial LAL02TB100K | |
| L401 | 150-717J | Coil,Choke RN-29FB50 560uH 50V 0A 18X30MM | |
| L402 | 6140VY0020C | Coil,Linearity JS-E016 24uH 18X31MM LEAD - | |
| L501 | 0LA0121K119 | Inductor,Wire Wound,Axial LAL02TB1R2K | |
| L503 | 0LA0121K119 | Inductor,Wire Wound,Axial LAL02TB1R2K | |
| L504 | 0LA0121K119 | Inductor,Wire Wound,Axial LAL02TB1R2K | |
| L505 | 0LA0121K119 | Inductor,Wire Wound,Axial LAL02TB1R2K | |
| L506 | 0LA0121K119 | Inductor,Wire Wound,Axial LAL02TB1R2K | |
| L507 | 0LA0121K119 | Inductor,Wire Wound,Axial LAL02TB1R2K | |
| L509 | 0LA0102K119 | Inductor,Wire Wound,Axial LAL02TB100K | |
| L511 | 0LA0121K119 | Inductor,Wire Wound,Axial LAL02TB1R2K | |
| L514 | 0LA0121K119 | Inductor,Wire Wound,Axial LAL02TB1R2K | |
| L548 | 0LA0121K119 | Inductor,Wire Wound,Axial LAL02TB1R2K | |
| L801 | 150-C02E | Coil,Choke 50uH 50V 0A 12X17MM LEAD - | |
| T401 | 151-C02M | Transformer,Linear EI19 10V 100V 200MH 1A 1A | |
| T402 | 6174V-5003R | Transformer,FBT BSC25 -N1537 | |
| T802 | 61709MC017C | Transformer,Switching EER4215 | |
| | CONNECTOR | | |
| G1 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G13 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |

| T802 | 61709MC017C | Transformer,Switching EER4215 | |
|-----------|-------------|--------------------------------------|--|
| CONNECTOR | | | |
| G1 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G13 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G14 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G19 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G2 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G20 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G21 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G22 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G24 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G26 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G27 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G29 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G30 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G31 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G32 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G36 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G37 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G38 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G39 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G42 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G43 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G44 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G45 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G47 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G48 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G49 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G50 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G51 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G52 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G53 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |

Inductor, Wire Wound, Axial LAL02TB100K

0LA0102K119

L1202

CC, CX, CK, CN : Ceramic CQ : Polyester CE : Electrolytic

| LOCA. NO | PART NO | DESCRIPTION | |
|----------|-------------|--|--|
| G54 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G55 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G56 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G57 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G58 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G59 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G6 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G61 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G62 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G7 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G75 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G76 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G77 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G78 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G8 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G80 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G81 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G84 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G85 | 336-072C | , , | |
| | | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G86 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G87 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G88 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G89 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G9 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G90 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G91 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G94 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G95 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G96 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G97 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| G98 | 336-072C | BSP(C2600R) 1P LUG STRAIGHT DIP TP S | |
| H1 | 6631V25014D | GIL-G GIL-G-03 35097-9702_35098-9702 | |
| H2 | 6631V25034E | TJC25-4Y TJC25-4Y 35097-9702_35098-9 | |
| H3 | 387-917J | 387-917J 35740-8610 35740-8610 500mM | |
| P102 | 366-921B | GIL-G-03P-S3T2-E 3P 2.54MM 1R STRAIG | |
| P1205 | 387-A06H | 6P(H-B) GIL-G-06 GIL-J-06 450mM 2.50 | |
| P201A | 366-921E | GIL-G-06P-S3T2-E 6P 2.50MM 1R STRAIG | |
| P401 | 366-043K | 35929-0410 4P 10.00MM 1R STRAIGHT DI | |
| P601 | 366-921B | GIL-G-03P-S3T2-E 3P 2.54MM 1R STRAIG | |
| P602 | 366-921C | GIL-G-04P-S3T2-E 4P 2.54MM 1R STRAIG | |
| P801A | 366-043B | 35929-0210 2P 10.00MM 1R STRAIGHT DI | |
| P802A | 366-043B | 35929-0210 2P 10.00MM 1R STRAIGHT DI | |
| P903 | 366-009D | 366-009D 1P PIN HEADER STRAIGHT DIP | |
| P903D | 6631V25A16G | GIL-J-04 GIL-J-04 400mM 2.50MM 4P UL | |
| P904A | 366-921E | GIL-G-06P-S3T2-E 6P 2.50MM 1R STRAIG | |
| P904B | 387-B06H | H-B GIL-G GIL-J 450MM 2.50MM 6P UL11 | |
| | RESISTOR | | |
| FR402 | 0RP0050H709 | SPF92T1KR050 0.05OHM 10% 1/2W 3.2X2. | |
| FR403 | 0RP0050H709 | SPF92T1KR050 0.05OHM 10% 1/2W 3.2X2. | |
| FR404 | 0RP0050H709 | SPF92T1KR050 0.05OHM 10% 1/2W 3.2X2. | |
| FR405 | 0RP0050H709 | SPF92T1KR050 0.05OHM 10% 1/2W 3.2X2. | |
| | | | |

| LOCA. NO | PART NO | DESCRIPTION |
|----------|-------------|--|
| FR901 | 0RF0470K607 | FNS02T3JR470 0.47OHM 5% 2W 12.0X4.0M |
| J230 | 0RD1001F609 | RD-96T1J1K00 1KOHM 5% 1/6W 3.2X1.8MM |
| J231 | 0RD1001F609 | RD-96T1J1K00 1KOHM 5% 1/6W 3.2X1.8MM |
| L203 | 0RD1001F609 | RD-96T1J1K00 1KOHM 5% 1/6W 3.2X1.8MM |
| L208 | 0RD1001F609 | RD-96T1J1K00 1KOHM 5% 1/6W 3.2X1.8MM |
| L510 | 0RD0222A609 | RDM92T1J22R0 22OHM 5% 1/2W 6.5X2.3MM |
| R101 | 0RD3902F609 | RD-96T1J39K0 39KOHM 5% 1/6W 3.2X1.8M |
| R103 | 0RD2202F609 | RD-96T1J22K0 22KOHM 5% 1/6W 3.2X1.8M |
| R11 | 0RD3601F609 | RD-96T1J3K60 3.6KOHM 5% 1/6W 3.2X1.8 |
| R110 | 0RD1000F609 | RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8M |
| R111 | 0RD1000F609 | RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8M |
| R112 | 0RD6802F609 | RD-96T1J68K0 68KOHM 5% 1/6W 3.2X1.8M |
| R117 | 0RD1002F609 | RD-96T1J10K0 10KOHM 5% 1/6W 3.2X1.8M |
| R119 | 0RD3301F609 | RD-96T1J3K30 3.3KOHM 5% 1/6W 3.2X1.8 |
| R12 | 0RD2401F609 | RD-96T1J2K40 2.4KOHM 5% 1/6W 3.2X1.8 |
| R120 | 0RD4701F609 | RD-96T1J4K70 4.7KOHM 5% 1/6W 3.2X1.8 |
| R121 | 0RD2201F609 | RD-96T1J2K20 2.2KOHM 5% 1/6W 3.2X1.8 |
| R13 | 0RD1801F609 | RD-96T1J1K80 1.8KOHM 5% 1/6W 3.2X1.8 |
| R14 | 0RD1501F609 | RD-96T1J1K50 1.5KOHM 5% 1/6W 3.2X1.8 |
| R15 | 0RD1002F609 | RD-96T1J10K0 10KOHM 5% 1/6W 3.2X1.8M |
| R16 | 0RD5601F609 | RD-96T1J5K60 5.6KOHM 5% 1/6W 3.2X1.8 |
| R17 | 0RD3300F609 | RD-96T1J330R 330OHM 5% 1/6W 3.2X1.8M |
| R19 | 0RD1301F609 | RD-96T1J1K30 1.3KOHM 5% 1/6W 3.2X1.8 |
| R203 | 0RD0682F609 | RD-96T1J68R0 68OHM 5% 1/6W 3.2X1.8MM |
| R204 | 0RD0752F609 | RD-96T1J75R0 75OHM 5% 1/6W 3.2X1.8MM |
| | 0RD0912F609 | Resistor, Carbon Film RD-96T1J91R0 91OHM |
| R205 | 0RD0752F609 | RD-96T1J75R0 75OHM 5% 1/6W 3.2X1.8MM |
| R206 | 0RD0752F609 | RD-96T1J75R0 75OHM 5% 1/6W 3.2X1.8MM |
| R207 | 0RD5602F609 | RD-96T1J56K0 56KOHM 5% 1/6W 3.2X1.8M |
| R212 | 0RD1201A609 | RDM92T1J1K20 1.2KOHM 5% 1/2W 6.5X2.3 |
| R213 | 0RD1201F609 | Resistor,Carbon Film RD-96T1J1K20 |
| R215 | 0RD2402F609 | RD-96T1J24K0 24KOHM 5% 1/6W 3.2X1.8M |
| R225 | 0RD4702F609 | RD-96T1J47K0 47KOHM 5% 1/6W 3.2X1.8M |
| R226 | 0RD1001F609 | RD-96T1J1K00 1KOHM 5% 1/6W 3.2X1.8MM |
| R227 | 0RD1001F609 | RD-96T1J1K00 1KOHM 5% 1/6W 3.2X1.8MM |
| R228 | 0RD4702F609 | RD-96T1J47K0 47KOHM 5% 1/6W 3.2X1.8M |
| R23 | 0RD0151A609 | RDM92T1J1R50 1.5OHM 5% 1/2W 6.5X2.3M |
| R252 | 0RD4702F609 | RD-96T1J47K0 47KOHM 5% 1/6W 3.2X1.8M |
| R253 | 0RD4702F609 | RD-96T1J47K0 47KOHM 5% 1/6W 3.2X1.8M |
| R301 | 0RD2701F609 | RD-96T1J2K70 2.7KOHM 5% 1/6W 3.2X1.8 |
| R303 | 0RD2400A609 | RDM92T1J240R 240OHM 5% 1/2W 6.5X2.3M |
| R304 | 0RD0561A609 | RDM92T1J5R60 5.6OHM 5% 1/2W 6.5X2.3M |
| R306 | 0RD1002F609 | RD-96T1J10K0 10KOHM 5% 1/6W 3.2X1.8M |
| R307 | 0RD3601F609 | RD-96T1J3K60 3.6KOHM 5% 1/6W 3.2X1.8 |
| R308 | 0RD4302F609 | RD-96T1J43K0 43KOHM 5% 1/6W 3.2X1.8M |
| R309 | 0RD4702F609 | RD-96T1J47K0 47KOHM 5% 1/6W 3.2X1.8M |
| R310 | 0RD4702F609 | RD-96T1J47K0 47KOHM 5% 1/6W 3.2X1.8M |
| R311 | 0RN0301J607 | RN-01T3J3R00 3OHM 5% 1W 12.0X4.0MM N |
| R313 | 0RD2001F609 | RD-96T1J2K00 2KOHM 5% 1/6W 3.2X1.8MM |
| R314 | 0RD4701F609 | RD-96T1J4K70 4.7KOHM 5% 1/6W 3.2X1.8 |
| R315 | 0RN0301J607 | RN-01T3J3R00 3OHM 5% 1W 12.0X4.0MM N |
| R316 | 0RD1000F609 | RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8M |
| | | |

CC, CX, CK, CN : Ceramic CQ : Polyester CE : Electrolytic

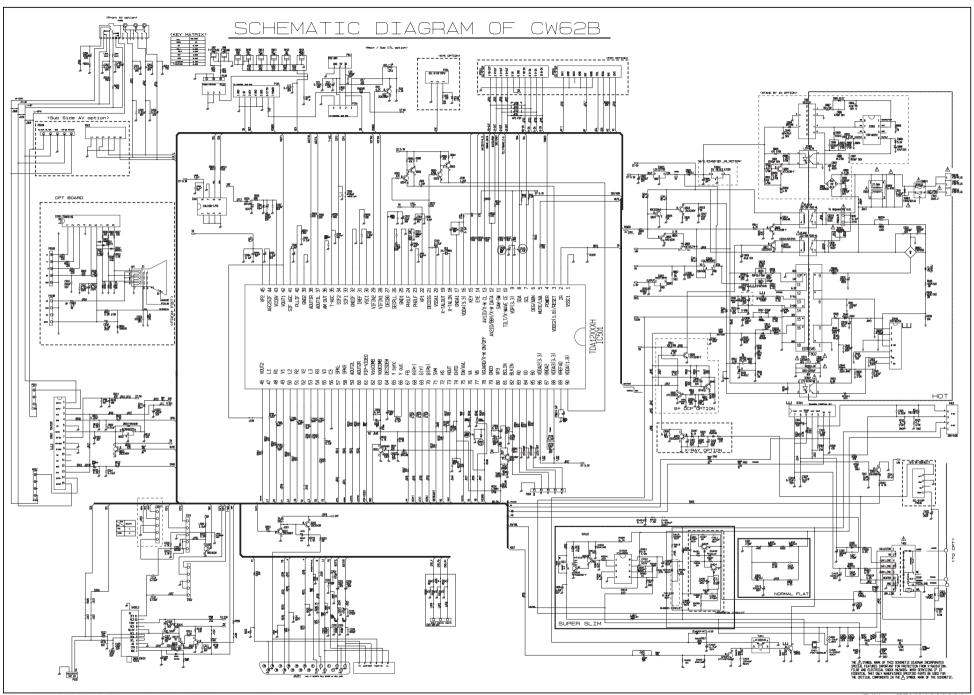
| LOCA. NO | PART NO | DESCRIPTION |
|----------|-------------|--------------------------------------|
| R317 | 0RD2702F609 | RD-96T1J27K0 27KOHM 5% 1/6W 3.2X1.8M |
| R318 | 0RN2001F409 | RN-96T1F2K00 2KOHM 1% 1/6W 3.2X1.8MM |
| R319 | 0RN3902F409 | RN-96T1F39K0 39KOHM 1% 1/6W 3.2X1.8M |
| R320 | 0RD1001F609 | RD-96T1J1K00 1KOHM 5% 1/6W 3.2X1.8MM |
| R321 | 0RD0561A609 | RDM92T1J5R60 5.6OHM 5% 1/2W 6.5X2.3M |
| R322 | 0RD1501F609 | RD-96T1J1K50 1.5KOHM 5% 1/6W 3.2X1.8 |
| R323 | 0RD2702F609 | RD-96T1J27K0 27KOHM 5% 1/6W 3.2X1.8M |
| R324 | 0RD4700F609 | RD-96T1J470R 470OHM 5% 1/6W 3.2X1.8M |
| R325 | 0RS2701H609 | RS-92T1J2K70 2.7KOHM 5% 1/2W 9.0X3.0 |
| R326 | 0RD1501A609 | RDM92T1J1K50 1.5KOHM 5% 1/2W 6.5X2.3 |
| R328 | 0RD4302F609 | RD-96T1J43K0 43KOHM 5% 1/6W 3.2X1.8M |
| R403 | 0RD5600A609 | RDM92T1J560R 560OHM 5% 1/2W 6.5X2.3M |
| R407 | 0RD0332A609 | RDM92T1J33R0 33OHM 5% 1/2W 6.5X2.3MM |
| R408 | 0RD6801F609 | RD-96T1J6K80 6.8KOHM 5% 1/6W 3.2X1.8 |
| R409 | 0RS2202H609 | RS-92T1J22K0 22KOHM 5% 1/2W 9.0X3.0M |
| R411 | 0RS1001H609 | RS-92T1J1K00 1KOHM 5% 1/2W 9.0X3.0MM |
| R412 | 0RD7501A609 | RDM92T1J7K50 7.5KOHM 5% 1/2W 6.5X2.3 |
| R413 | 0RD1801A609 | RDM92T1J1K80 1.8KOHM 5% 1/2W 6.5X2.3 |
| R414 | 0RS6202J607 | RS-01T3J62K0 62KOHM 5% 1W 12.0X4.0MM |
| R415 | 0RD1002F609 | RD-96T1J10K0 10KOHM 5% 1/6W 3.2X1.8M |
| R417 | 0RD3303F609 | RD-96T1J330K 330KOHM 5% 1/6W 3.2X1.8 |
| R421 | 0RD3600F609 | RD-96T1J360R 360OHM 5% 1/6W 3.2X1.8M |
| R422 | 0RD1002F609 | RD-96T1J10K0 10KOHM 5% 1/6W 3.2X1.8M |
| R425 | 0RS2200K619 | SMR02R1J220R 220OHM 5% 2W 8.6X3.5MM |
| R430 | 0RD1503F609 | RD-96T1J150K 150KOHM 5% 1/6W 3.2X1.8 |
| R431 | 0RD1003A609 | RDM92T1J100K 100KOHM 5% 1/2W 6.5X2.3 |
| R432 | 0RD4703F609 | RD-96T1J470K 470KOHM 5% 1/6W 3.2X1.8 |
| R434 | 0RD1003A609 | RDM92T1J100K 100KOHM 5% 1/2W 6.5X2.3 |
| R436 | 0RD1000F609 | RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8M |
| R437 | 0RD1002F609 | RD-96T1J10K0 10KOHM 5% 1/6W 3.2X1.8M |
| R438 | 0RS0221K619 | SML02R0J2R20 2.2OHM 5% 2W 8.6X3.5MM |
| R439 | 0RD4301F609 | RD-96T1J4K30 4.3KOHM 5% 1/6W 3.2X1.8 |
| R440 | 0RMZVBK002D | RSR05V-J15K0 15KOHM 5% 5W 14X9.5X25. |
| R443 | 0RS1001K607 | RSD02T3J1K00 1KOHM 5% 2W 12.0X4.0MM |
| R509 | 0RD1000F609 | RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8M |
| R510 | 0RD1000F609 | RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8M |
| R511 | 0RD3301F609 | RD-96T1J3K30 3.3KOHM 5% 1/6W 3.2X1.8 |
| R512 | 0RD3301F609 | RD-96T1J3K30 3.3KOHM 5% 1/6W 3.2X1.8 |
| R513 | 0RD1000F609 | RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8M |
| R518 | 0RD1000F609 | RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8M |
| R521 | 0RD1000F609 | RD-96T1J100R 1000HM 5% 1/6W 3.2X1.8M |
| R522 | 0RD2200F609 | RD-96T1J220R 220OHM 5% 1/6W 3.2X1.8M |
| R523 | 0RD2200F609 | RD-96T1J220R 220OHM 5% 1/6W 3.2X1.8M |
| R524 | 0RD0752F609 | RD-96T1J75R0 75OHM 5% 1/6W 3.2X1.8MM |
| R525 | 0RD0752F609 | RD-96T1J75R0 75OHM 5% 1/6W 3.2X1.8MM |
| R534 | 0RD1504F609 | CR1/8TB1M5J 1.5MOHM 5% 1/8W 3.2X1.8M |
| R536 | 0RD1801F609 | RD-96T1J1K80 1.8KOHM 5% 1/6W 3.2X1.8 |
| R537 | 0RD1001F609 | RD-96T1J1K00 1KOHM 5% 1/6W 3.2X1.8MM |
| R538 | 0RD1803F609 | RD-96T1J180K 180KOHM 5% 1/6W 3.2X1.8 |
| R539 | 0RD1003F609 | RD-96T1J100K 100KOHM 5% 1/6W 3.2X1.8 |
| R540 | 0RD1000F609 | RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8M |
| R543 | 0RD1000F609 | RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8M |

| LOCA. NO | PART NO | DESCRIPTION |
|----------|-------------|--------------------------------------|
| R545 | 0RD0752F609 | RD-96T1J75R0 75OHM 5% 1/6W 3.2X1.8MM |
| R547 | 0RD1203F609 | RD-96T1J120K 120KOHM 5% 1/6W 3.2X1.8 |
| R548 | 0RD2200F609 | RD-96T1J220R 220OHM 5% 1/6W 3.2X1.8M |
| R549 | 0RD3301F609 | RD-96T1J3K30 3.3KOHM 5% 1/6W 3.2X1.8 |
| R550 | 0RD1000F609 | RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8M |
| R551 | 0RD1000F609 | RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8M |
| R552 | 0RD1000F609 | RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8M |
| R553 | 0RD1000F609 | RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8M |
| R554 | 0RD1501F609 | RD-96T1J1K50 1.5KOHM 5% 1/6W 3.2X1.8 |
| R555 | 0RD6800F609 | RD-96T1J680R 680OHM 5% 1/6W 3.2X1.8M |
| R556 | 0RN3902F409 | RN-96T1F39K0 39KOHM 1% 1/6W 3.2X1.8M |
| R557 | 0RD1202F609 | RD-96T1J12K0 12KOHM 5% 1/6W 3.2X1.8M |
| R558 | 0RD2200F609 | RD-96T1J220R 220OHM 5% 1/6W 3.2X1.8M |
| R562 | 0RD1000F609 | RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8M |
| R563 | 0RD1501A609 | RDM92T1J1K50 1.5KOHM 5% 1/2W 6.5X2.3 |
| R566 | 0RN4701F409 | RN-96T1F4K70 4.7KOHM 1% 1/6W 3.2X1.8 |
| R567 | 0RN4701F409 | RN-96T1F4K70 4.7KOHM 1% 1/6W 3.2X1.8 |
| R568 | 0RD2200F609 | RD-96T1J220R 220OHM 5% 1/6W 3.2X1.8M |
| R569 | 0RD1001F609 | RD-96T1J1K00 1KOHM 5% 1/6W 3.2X1.8MM |
| R572 | 0RD1000F609 | RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8M |
| R576 | 0RD2200F609 | RD-96T1J220R 220OHM 5% 1/6W 3.2X1.8M |
| R577 | 0RD2200F609 | RD-96T1J220R 220OHM 5% 1/6W 3.2X1.8M |
| R580 | 0RD4701F609 | RD-96T1J4K70 4.7KOHM 5% 1/6W 3.2X1.8 |
| R581 | 0RD4701F609 | RD-96T1J4K70 4.7KOHM 5% 1/6W 3.2X1.8 |
| R582 | 0RD4702F609 | RD-96T1J47K0 47KOHM 5% 1/6W 3.2X1.8M |
| R583 | 0RD4702F609 | RD-96T1J47K0 47KOHM 5% 1/6W 3.2X1.8M |
| R584 | 0RD0101F609 | RD-96T1J1R00 1OHM 5% 1/6W 3.2X1.8MM |
| R585 | 0RD0101F609 | RD-96T1J1R00 1OHM 5% 1/6W 3.2X1.8MM |
| R587 | 0RD1000F609 | RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8M |
| R591 | 0RD1000F609 | RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8M |
| R592 | 0RD1000F609 | RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8M |
| R595 | 0RD6800F609 | RD-96T1J680R 680OHM 5% 1/6W 3.2X1.8M |
| R606 | 0RD8202F609 | RD-96T1J82K0 82KOHM 5% 1/6W 3.2X1.8M |
| R608 | 0RD4702F609 | RD-96T1J47K0 47KOHM 5% 1/6W 3.2X1.8M |
| R611 | 0RD1202F609 | RD-96T1J12K0 12KOHM 5% 1/6W 3.2X1.8M |
| R612 | 0RD8202F609 | RD-96T1J82K0 82KOHM 5% 1/6W 3.2X1.8M |
| R613 | 0RD4702F609 | RD-96T1J47K0 47KOHM 5% 1/6W 3.2X1.8M |
| R616 | 0RD7502F609 | RD-96T1J75K0 75KOHM 5% 1/6W 3.2X1.8M |
| R617 | 0RD1000F609 | RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8M |
| R618 | 0RD4702F609 | RD-96T1J47K0 47KOHM 5% 1/6W 3.2X1.8M |
| R619 | 0RD7502F609 | RD-96T1J75K0 75KOHM 5% 1/6W 3.2X1.8M |
| R811 | 0RD1002F609 | RD-96T1J10K0 10KOHM 5% 1/6W 3.2X1.8M |
| R812 | 0RD4701F609 | RD-96T1J4K70 4.7KOHM 5% 1/6W 3.2X1.8 |
| R813 | 0RD1001F609 | RD-96T1J1K00 1KOHM 5% 1/6W 3.2X1.8MM |
| R816 | 0RD4701F609 | RD-96T1J4K70 4.7KOHM 5% 1/6W 3.2X1.8 |
| R817 | 0RD4701F609 | RD-96T1J4K70 4.7KOHM 5% 1/6W 3.2X1.8 |
| R819 | 0RP0050H709 | SPF92T1KR050 0.05OHM 10% 1/2W 3.2X2 |
| R820 | 0RD1000F609 | RD-96T1J100R 100OHM 5% 1/6W 3.2X1.8M |
| R821 | 0RD4701F609 | RD-96T1J4K70 4.7KOHM 5% 1/6W 3.2X1.8 |
| R822 | 0RP0020J809 | SPF01T1MR020 0.02OHM 20% 1W 6.5X2.3M |
| R823 | 0RP0020J809 | SPF01T1MR020 0.02OHM 20% 1W 6.5X2.3M |
| R824 | 0RD2701F609 | RD-96T1J2K70 2.7KOHM 5% 1/6W 3.2X1.8 |

CC, CX, CK, CN : Ceramic CQ : Polyester CE : Electrolytic

| LOCA. NO | PART NO | DESCRIPTION |
|------------------|----------------------------|--|
| | | |
| R825 | 0RD1001F609 | RD-96T1J1K00 1KOHM 5% 1/6W 3.2X1.8MM |
| R826 | 0RD0472F609 | RD-96T1J47R0 47OHM 5% 1/6W 3.2X1.8MM |
| R829 | 0RP0050H709 | SPF92T1KR050 0.05OHM 10% 1/2W 3.2X2. |
| R830 | 0RN1803F409 | RN-96T1F180K 180KOHM 1% 1/6W 3.2X1.8 |
| R831 | 0RN3002F409 | RN-96T1F30K0 30KOHM 1% 1/6W 3.2X1.8M |
| R832 | 0RD3902F609 | RD-96T1J39K0 39KOHM 5% 1/6W 3.2X1.8M |
| R834 | 0RN4701F409 | RN-96T1F4K70 4.7KOHM 1% 1/6W 3.2X1.8 |
| R835 | 0RKZVTA001C | RN-92T1J8M20 8.2MOHM 5% 1/2W 9.0X3.0 |
| R836 | 0RD1001F609 | RD-96T1J1K00 1KOHM 5% 1/6W 3.2X1.8MM |
| R838 | 0RD2200A609 | RDM92T1J220R 220OHM 5% 1/2W 6.5X2.3M |
| R839 | 0RD1003F609 | RD-96T1J100K 100KOHM 5% 1/6W 3.2X1.8 |
| R841 | 0RF0221K607 | FNS02T3J2R20 2.2OHM 5% 2W 12.0X4.0MM |
| R842 | 0RD2201F609 | RD-96T1J2K20 2.2KOHM 5% 1/6W 3.2X1.8 |
| R843 | 0RD2203F609 | RD-96T1J220K 220KOHM 5% 1/6W 3.2X1.8 |
| R844 | 0RD1501F609 | RD-96T1J1K50 1.5KOHM 5% 1/6W 3.2X1.8 |
| R845 | 0RD0332F609 | RD-96T1J33R0 33OHM 5% 1/6W 3.2X1.8MM |
| R846 | 180-A01D | PRW02T3JR160 0.16OHM 5% 2W 12.0X4.0M |
| R847 | 0RD4300F609 | RD-96T1J430R 430OHM 5% 1/6W 3.2X1.8M |
| R848 | 0RS4702K619 | SML02R0J47K0 47KOHM 5% 2W 8.6X3.5MM |
| R849 | 0RS4702K607 | RSD02T3J47K0 47KOHM 5% 2W 12.0X4.0MM |
| R850 | 0RD4701F609 | RD-96T1J4K70 4.7KOHM 5% 1/6W 3.2X1.8 |
| R851 | 0RD8202F609 | RD-96T1J82K0 82KOHM 5% 1/6W 3.2X1.8M |
| R852 | 0RD1003F609 | RD-96T1J100K 100KOHM 5% 1/6W 3.2X1.8 |
| R853 | 0RD1001F609 | RD-96T1J1K00 1KOHM 5% 1/6W 3.2X1.8MM |
| R856 | 180-822N | RWR07PDJ1R00 10HM 5% 7W 36X9.5X9.5MM |
| R858 | 0RKZVTA001K | RN-92T1J470K 470KOHM 5% 1/2W 9.0X3.0 |
| R859 | 0RD1002A609 | RDM92T1J10K0 10K0HM 5% 1/2W 6.5X2.3M |
| R860 | 0RF0221K607 0RD3901F609 | FNS02T3J2R20 2.2OHM 5% 2W 12.0X4.0MM RD-96T1J3K90 3.9KOHM 5% 1/6W 3.2X1.8 |
| R861 R901 | 0RD2200F609 | RD-96T1J3X90 3.9ROHM 5% 1/6W 3.2X1.8M |
| R902 | 0RD2200F609 | RD-96T1J220R 220OHM 5% 1/6W 3.2X1.8M |
| R903 | 0RD2200F609 | RD-96T1J220R 220OHM 5% 1/6W 3.2X1.8M |
| R906 | 0RD1201A609 | RDM92T1J1K20 1.2KOHM 5% 1/2W 6.5X2.3 |
| R907 | 0RD1201A609 | RDM92T1J1K20 1.2KOHM 5% 1/2W 6.5X2.3 |
| R908 | 0RD1201A609 | RDM92T1J1K20 1.2KOHM 5% 1/2W 6.5X2.3 |
| R909 | 0RS2201H609 | RSD92T1J2K20 2.2KOHM 5% 1/2W 6.5X2.3 |
| R910 | 0RS2201H609 | RSD92T1J2K20 2.2KOHM 5% 1/2W 6.5X2.3 |
| R911 | 0RS2201H609 | RSD92T1J2K20 2.2KOHM 5% 1/2W 6.5X2.3 |
| R912 | 0RD2204A609 | RDM92T1J2M20 2.2MOHM 5% 1/2W 6.5X2.3 |
| R920 | 0RD4703A609 | RDM92T1J470K 470KOHM 5% 1/2W 6.5X2.3 |
| R925 | 0RD2200F609 | RD-96T1J220R 220OHM 5% 1/6W 3.2X1.8M |
| | | |
| | Т | SWITCH |
| SW11 | 140-315A | THVH472GBC 1C1P 12VDC 0.05A VERTICAL |
| SW12 | 140-315A | THVH472GBC 1C1P 12VDC 0.05A VERTICAL |
| SW13 | 140-315A | THVH472GBC 1C1P 12VDC 0.05A VERTICAL |
| SW14 | 140-315A | THVH472GBC 1C1P 12VDC 0.05A VERTICAL |
| SW15 | 140-315A | THVH472GBC 1C1P 12VDC 0.05A VERTICAL |
| SW16 | 140-315A | THVH472GBC 1C1P 12VDC 0.05A VERTICAL |
| SW801 | 6600VM1001A | SDKLA1 AC 250VAC 5A 1PCS 1C1P |
| SPARK GAP, AXIAL | | |

| IOII | ows; | RF: Fusible | |
|------------------|-------------|---|--|
| LOCA. NO | PART NO | DESCRIPTION | |
| SG901 | 165-004A | 152F-L3N/S-23 RADIAL 1.5KV 1.5KV | |
| SG902 | 165-004A | 152F-L3N/S-23 RADIAL 1.5KV 1.5KV | |
| SG903 | 165-004A | 152F-L3N/S-23 RADIAL 1.5KV 1.5KV | |
| SG904 | 6918VAX002H | WSP-122N AXIAL 1.2KV 1.2KV | |
| SG911 | 6918VAX002E | WSP-351M AXIAL 350V 350V - 7.5MM TP | |
| SG912 | 6918VAX002E | WSP-351M AXIAL 350V 350V - 7.5MM TP | |
| SG913 | 6918VAX002E | WSP-351M AXIAL 350V 350V - 7.5MM TP | |
| FILTER & CRYSTAL | | | |
| FB401 | 125-022K | 125-022K 20OHM 3.5X6MM AXIAL TP | |
| FB802 | 125-022K | 125-022K 20OHM 3.5X6MM AXIAL TP | |
| FB803 | 125-022K | 125-022K 20OHM 3.5X6MM AXIAL TP | |
| FB833 | 125-022K | 125-022K 20OHM 3.5X6MM AXIAL TP | |
| FB846 | 125-022R | BI 3857 30OHM 3.6X5.7MM AXIAL TP | |
| T803 | 150-F06W | 150-F06W 27MH 32X22X38MM SQE2930S RA | |
| X01 | 156-A01Z | HC-49/U 24.576MHZ 50PPM 24.576MHZ 50 | |
| Z101 | 166-A01B | K3953M 33.90MHZ 38.90MHZ 17X3.9X8.7M | |
| Z102 | 6200QL3003G | K9650M(B39389-K9650-M100) 33.90 | |
| | MIS | CELLANEOUS | |
| B1 | MAY30424101 | BOX DW 644 440 497 2 COLOR 21F | |
| | 3890900401E | BOX DWR2 652 462 505 2 COLOR 21FS4 | |
| | 3890900096D | BOX DW2 1074 1104 1080 1 COLOR MC049 | |
| | 3890900097D | BOX DW2 1094 1124 100 1 COLOR MC049B | |
| | 3890V00067F | PC-63A NON CARTON DIGITAL SW | |
| | MAY34548001 | BOX DWR2 652 462 505 2 COLOR 21FS4 | |
| F801 | 0FS4001B51D | Fuse,Time Delay 0218 004. GLASS 250V 4A | |
| JK202 | 6612M00005A | Jack,Scart UPJ-R1-027 21P 21P/1C 3.81MM | |
| | 6612VJH023D | Jack,RCA PPJ126-04 15MM 3RX3C ANGLE | |
| PA11 | 6726VV0006H | Receiver ModuleTSOP2238NN1 4.5TO5.5V | |
| PJ1202 | 6613V00004B | Jack,RCA PJ6054B 14.0MM 3RX1C ANGLE | |
| Q405 | 0TFFC00011B | FETFQPF11N40C-YDTU N-CHANNEL | |
| RL802 | 6920VB1001K | Relay,Contact JZC-36F-005-HL AC250V/DC30V | |
| SK901 | 6620VBC003A | Socket,CRT PCS030A 8P STRAIGHT | |
| TH801 | 163-058D | Thermistor,PTC J503P83D070M290X | |
| TU101 | 6700MF0018A | Tuner, Analog TAEA-G011D PAL-B/G+I+M+D/K | |
| VD801 | 164-003G | VaristorTVR14621 620V 10% 250pF 14MM | |
| ACCESSORIES | | | |
| A1 | MFL30441112 | Manual,Owners EU PL 30036801/2/3/4 TX | |
| | MFL30441113 | Manual,Owners CW62B RO | |
| | MFL30441120 | Manual,Owners EU BALT ES/LV/LT | |
| | MFL30441122 | Manual,EU UKR/ BZ03 RU/EN 30036801/2/3/4 TX | |
| | MFL30441125 | Manual,Owners HU/BU/SE/EN30036801/2/3/4 | |
| | MFL30441126 | Manual, EN/SE/HU/BU/LV/LT/ES/SK/CZ/RO/PL | |
| | MFL30441128 | Manual,Owners USER CW62B AR/FR/EN | |
| A2 | MKJ30036802 | Remote Controller MOLD HIPS 60HR CW62A | |
| АЗ | 5010V00004D | Antenna,Rod 3SECTION 750MM NTSC | |
| | 5010V00004B | 5010V00004B SINGLE 2.5DB 300OH | |
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